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ABSTRACT

This directory lists institutions holding original source material for the history of oceanography, dating from 1600 to 1950. These materials include apparatus, collections of geological and biological samples and specimens, data, documents and written archives, and photographs. For each institution (listed by country), the directory gives name, address, accessibility and services offered, and details of the holdings, mentioning important items. The directory is intended to help scientists to locate earlier material relating to their present topic or area of study, to show historians where surviving records may be found, and to remind institutions holding this unique material of its value. (Author)

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in marine science 58

Directory of source materials for the history of oceanography

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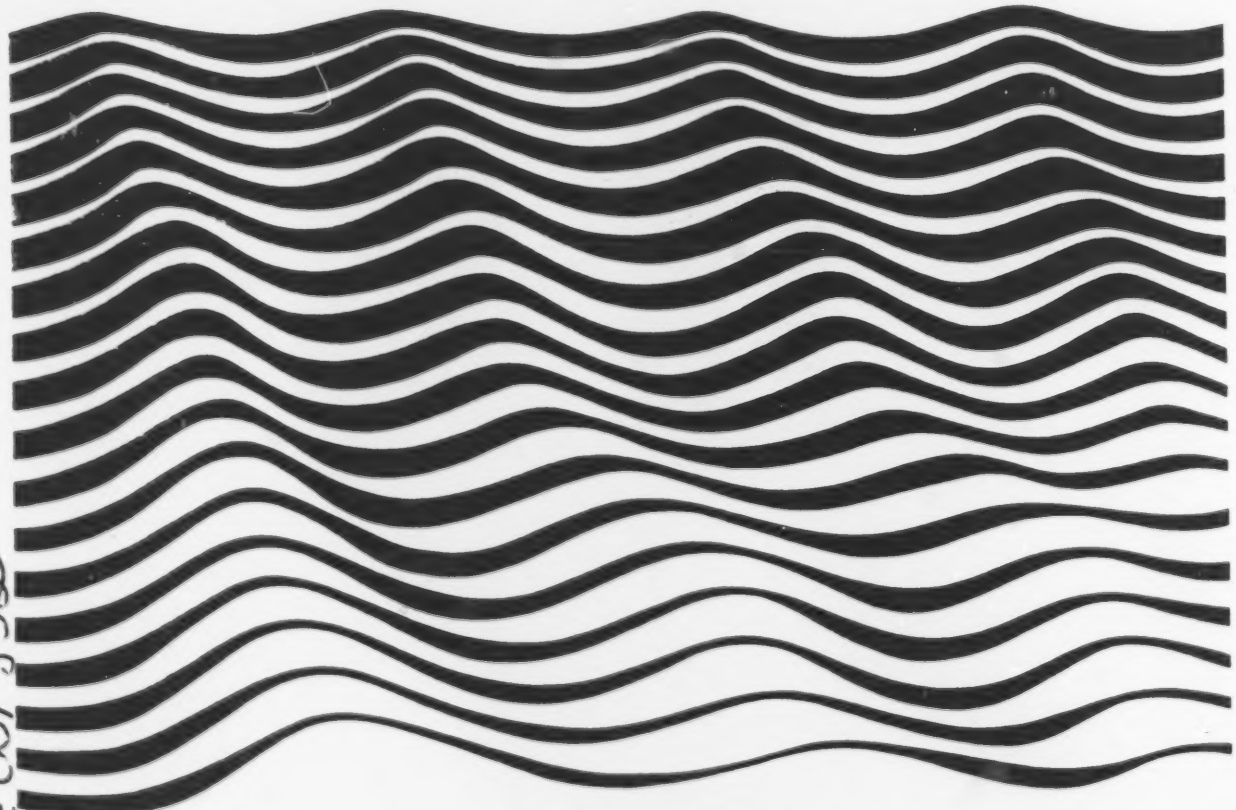

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38	Background papers and supporting data on the International Equation of State of Seawater 1980.	1981	WG 10
39	International Oceanographic Tables, Vol. 3	1981	WG 10
40	International Oceanographic Tables, Vol. 4.	1982	WG 10
41	Ocean-Atmosphere Materials exchange (OAMEX) Report of SCOR Working Group 44, Unesco, Paris, 14-16 November 1979	1982	WG 44
42	Carbon dioxide sub-group of the joint panel on oceanographic tables and standards. Report of a meeting Miami, Florida, 21-23 September 1981 sponsored by Unesco, ICES, SCOR, IAPSO	1983	—
43	International Symposium on Coastal lagoons Bordeaux, France, 8-14 September 1981 Available in F and S	1982	—
44	Algorithms for computation of fundamental properties of seawater. Endorsed by Unesco/SCOR/ICES/IAPSO Joint Panel on Oceanographic Tables and Standards and SCOR Working Group 51.	1983	—
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Directory of source materials for the history of oceanography

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Project Co-ordinator

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PREFACE

This series, the *Unesco Technical Papers in Marine Science*, is produced by the Unesco Division of Marine Sciences as a means of informing the scientific community of recent advances in oceanographic research and on recommended research programmes and methods.

The texts in this series are prepared in co-operation with non-governmental scientific organizations. Many of the texts result from research activities of the Scientific Committee on Oceanic Research (SCOR) and are submitted to Unesco for printing following final approval by SCOR of the relevant working group report.

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ABSTRACT

This Directory lists institutions holding original source material for the history of oceanography, dating from 1600 to 1950. These materials include apparatus, collections of geological and biological samples and specimens, data, documents and written archives, and photographs. For each institution (listed by country) the Directory gives name, address, accessibility and services offered, and details of the holdings, mentioning important items. The Directory is intended to help scientists to locate earlier material relating to their present topic or area of study, to show historians where surviving records may be found, and to remind institutions holding this unique material of its value.

RESUME

Dans le présent répertoire sont inventoriés les établissements qui détiennent des matériels de référence originaux pour l'histoire de l'océanographie, datant de 1600 à 1950. Il s'agit notamment d'instruments, de collections d'échantillons et de spécimens géologiques et biologiques, de données, de documents et d'archives écrites, et de photographies. Pour chacun des établissements (dont la liste est établie par pays), le répertoire donne le nom, l'adresse, la communicabilité et les services offerts ainsi que des renseignements détaillés sur les matériels que détient l'établissement, mention étant faite des pièces importantes. Le répertoire vise à aider les chercheurs à localiser les matériels de référence anciens correspondant à leur sujet ou à leur domaine d'étude, à indiquer aux historiens où ils peuvent trouver les archives qui sont conservées, et à rappeler la valeur de ces matériels rares aux établissements qui les détiennent.

RESUMEN ANALITICO

En este Directorio figuran las instituciones que poseen fuentes originales de historia de la oceanografía entre 1600 y 1950. Los materiales comprenden aparatos, colecciones de muestras y especímenes biológicos y geológicos, datos, documentos y archivos escritos y fotografías. Se presentan las instituciones por país, consignándose su nombre y dirección, la manera de acceder a ellas y los servicios que proporcionan, sus fondos y los principales materiales que contienen. Gracias a este Directorio, los historiadores y especialistas podrán localizar los registros y materiales antiguos relacionados con su tema de estudio y las instituciones cobrarán conciencia del valor de los materiales que poseen.

РЕЗЮМЕ

В настоящем справочнике перечислены учреждения, которые имеют материалы, являющиеся первоисточниками по истории океанографии за период с 1600 г. по 1950 г. Эти материалы включают аппаратуру, коллекции геологических и биологических проб и образцов, данные, документы, а также печатные архивы и фотографии. Для каждого учреждения (перечислены по странам) в справочнике указываются название, адрес, доступность и предлагаемые услуги, а также приводятся подробные данные об имеющихся фондах с указанием наиболее важных единиц хранения. Справочник предназначен для оказания помощи ученым в поиске предыдущих материалов, касающихся их современной темы или области исследования, и для предоставления историкам информации о том, где могут быть найдены сохранившиеся архивы, а также для того, чтобы напомнить учреждениям, располагающим такими уникальными материалами, о их ценности.

مستخلص

يورد هذا الدليل قائمة بالمؤسسات التي تتوافر لديها مراجع أصلية خاصة بتاريخ الاقيانوغرافيا ، يرجع تاريخها الى ما بين عامي ١٦٠٠ و ١٩٥٠ . وتتضمن هذه المواد معدات ومجموعات من العينات والنماذج الجيولوجية والبيولوجية وبيانات ووثائق ومحفوظات مكتوبة وصورا فوتوغرافية . ويقدم الدليل بيانات عن كل مؤسسة (ترد قائمتها بحسب البلدان) تتضمن اسمها وعنوانها وسبل الانتفاع بها والخدمات التي تؤديها وتفاصيل عن مقتنياتها مع ذكر المواد الهامة . ويهدف الدليل الى مساعدة العلميين على تحديد موقع المواد القديمة المتعلقة بموضوعهم أو بمجال دراستهم الحالي ، واطلاع المؤرخين على مواقع السجلات التي لم تندثر ، وتذكير المؤسسات التي تقتني هذه المواد الفريدة بما لها من قيمة .

摘　　要

本书所列的是藏有1600年到1950年期间海洋学历史原始资料的机构名单。这些资料包括仪器收集的地质与生物标本、资料、文件和手书档案以及图片。以国家为单位列出的每个机构均注明名称、地址、联系办法与提供的服务、和入藏物品详细情况并举出重要物品的名称。本书旨在帮助科学工作者找到与其目前的研究课题及领域有关的早期资料，告诉历史工作者到哪里能够找到尚存的记录，并向藏有这类仅有资料的机构说明其价值。

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INTRODUCTION

Source materials for the history of oceanography include documents and written archives, photographs, instruments and apparatus, collections of geological and biological samples and specimens. It is difficult to know what has survived, and where it is now held. The idea of compiling a Directory which would list the locations of this evidence from the past was discussed informally in 1987 at the IVth International Congress for the History of Oceanography, in Hamburg. Preliminary enquiries suggested that it would be a worthwhile project, and with the active support of Unesco a Working Party was set up to implement it.

The Directory is intended to help scientists to find original earlier material appertaining to their present topics or areas of study; to publicise the primary resources that are available to historians; and to remind establishments holding this unique material of its value in these respects.

Members of the Working Party knew from their own experience how widely dispersed the original material has become. It was necessary to devise a questionnaire that could be answered by staff of marine and fisheries laboratories, museums, university departments, learned societies, national and local libraries and archives, meteorological institutions, and manufacturers, around the world. Our definition of oceanography included fishing and whaling techniques, since these were often used in the past by marine biologists, but we excluded studies of fresh water, navigation, submarine geology, and underwater engineering. The questionnaire, which is reproduced below, went out in English, with a guide to how it should be filled in, and a covering letter, written in English, French or Spanish, as appropriate. Replies came back in various languages.

Each Working Party member was responsible for identifying and mailing institutions in his or her area. The returned forms were then sent to me for translation, analysis and condensation into a format that would serve as the Directory entry. Some thirty percent of the questionnaires were returned and of these two-thirds of the replies proved to be useful. I discarded those from institutions whose holdings were too recent, or judged inappropriate, or giving a nil response.

Not all the world's coastal nations are represented here, for some have only recently embarked upon oceanographic research. Regrettably, we were unable to find anyone to assist with the countries of southern Africa or the USSR. However, this being a search for historical evidence, we did find information in Austria, dating from the years when the Austro-Hungarian empire extended to the Adriatic Sea, and its government and scientists were active in oceanographic research. Similarly, we included Switzerland, whose scientists devised apparatus and methods for investigating their lakes, which was subsequently adapted to work in the open sea. Our thanks then, to the hundreds of people round the world who took the time and trouble to fill in yet another questionnaire.

On behalf of UNESCO, and for myself, I thank the members of the Working Party, and the Directors of their respective institutions, without whom this worthwhile project would never have materialised:
Madame Jaqueline Carpine-Lancre, Musee Oceanographique, Monaco
Mrs Deborah Day, Scripps Institution of Oceanography, California, USA
Miss Margaret Deacon, Department of Oceanography, University of Southampton
Mr Martin Ehrlich, INIDEP, Mar del Plata, Argentina
Mrs Christiane Groeben, Stazione Zoologica, Naples, Italy
Dr Ian Jones, Marine Studies Centre, University of Sydney, Sydney, Australia
Professor Eric Mills, Department of Oceanography, Dalhousie University, Halifax, Canada
Dr Selim Morcos, Division of Marine Sciences, UNESCO, Paris, France.

Personal and sincere thanks are due to other professional colleagues, who tested my draft questionnaires and layouts, and offered advice; to Dr Colin Summerhayes, Director of the Deacon Laboratory, Wormley, UK, for the use of his printing facilities, and the help of Mrs Jean Jones and Mrs Sheelagh Collyer who with endless patience supervised my days at the word-processor; and finally to Dr Dale Krause, Director of the Marine Sciences Division at UNESCO and his staff. Readers may be assured that we have all done our best, but inevitably some valuable sources, for one reason or another, will have escaped our net.

Anita McConnell
Project Co-ordinator

LAYOUT OF ENTRIES AND KEY TO ABBREVIATIONS

NAME OF INSTITUTION

ADDRESS

TELEPHONE TELEX

ACCESS Either 'Open' or 'Restricted', **see Note 1.**

SERVICES Catalogue or handlist, photography or xerox copying facility. **See Note 2.**

HOLDINGS Defines the general type of material held as 'Apparatus', 'Samples' or 'Documents'.

TIMESPAN Unless specified, includes material from 1600 to 1950.

AREA As defined, or 'Unrestricted'.

DETAIL Codified from page 2 of the questionnaire, **see Note 3.**
Other remarks taken from 'Key Features' on page 1.

Note 1. Some institutions limit access to scientists, scholars or other approved persons. Even where the holding institution is a public museum or library, the material may be in a distant store and not immediately available. Enquirers are strongly recommended to write in the first instance.

Note 2. SERVICES key: C = catalogue or handlist. (free) = available free of charge.
P = photography. M = microfilm. X = xerox or photocopy.

Note 3. DETAIL key:

A	APPARATUS
a	Depth measurement
b	Water collection
c	Temperature measurement
d	Current measurement
e	Wave measurement
f	Tide measurement
g	Seafloor corers and grabs
h	Photometers
i	Salinity measurement
j	Cameras, microphones
k	Sonar imaging apparatus
l	Nets
m	Laboratory equipment
n	Deck machinery
o	Sonar apparatus
p	Meteorological apparatus
q	Shore tide gauges
r	Seafloor seismometers
T	TRANSPORT
a	Oceanographic ships
b	Oceanographic submersibles
c	In-sea position finding
d	Ocean/met balloons
S	SAMPLES
a	Seawater
b	Sea floor
c	Biological
d	Ice-derived
D	DATA
a	Magnetic tape
b	Still and moving photography
c	Log books and diaries
d	Drawings
e	Derived reports
M	MANUSCRIPTS AND DOCUMENTS
a	Portrait originals, personal papers
b	Government and other official papers
c	Plans for cruises and other work
d	History of the institution

INTRODUCTION

Les sources documentaires pour l'histoire de l'océanographie se composent d'archives, de photographies, d'instruments et d'appareils, de collections d'échantillons et de spécimens géologiques et biologiques. Il n'est pas facile de savoir ce qui en subsiste et où cela est actuellement conservé. L'idée de compiler un répertoire comportant une liste des lieux où sont gardés ces témoins du passé a été évoquée lors du quatrième Congrès international sur l'histoire de l'océanographie tenu à Hambourg en 1987. L'opinion des spécialistes consultés étant favorable au projet, on a mis en place, avec le soutien de l'Unesco, un groupe de travail chargé de le mener à bien.

Ce répertoire est destiné à faciliter aux scientifiques la recherche des pièces originales, relativement anciennes, touchant leurs sujets ou domaines d'études actuels, à faire connaître aux historiens les sources primaires disponibles et enfin à rappeler aux organismes qui les détiennent la valeur que revêt, à tous ces égards, ce matériel irremplaçable.

Les membres du groupe de travail savaient, par leur expérience personnelle, à quel degré de dispersion a abouti le matériel original. Le questionnaire devait être rédigé de telle sorte qu'il pût être rempli aussi bien par le personnel des laboratoires marins ou des pêches que par celui des musées, des facultés d'universités, des sociétés savantes, des bibliothèques et des archives nationales ou locales, des services météorologiques et des fabricants d'équipements, dans le monde entier. Dans notre définition de l'océanographie nous avons inclu les techniques de pêche - même baleinière - du fait qu'elles étaient autrefois souvent pratiquées par les spécialistes en biologie marine, mais nous avons exclu les études portant sur l'eau douce, la navigation, ainsi que la géologie et l'ingéniérie sous-marines. Le questionnaire reproduit dans les pages suivantes a été expédié en anglais, accompagné d'une notice sur la manière de le remplir et d'une lettre explicative en anglais, français ou espagnol selon le cas. En retour, les réponses étaient rédigées en diverses langues.

Chaque membre du groupe de travail devait déterminer, dans sa région, les institutions à interroger et leur adresser le questionnaire. Les réponses m'étaient ensuite transmises pour être traduites, analysées et réduites au format des rubriques du répertoire. J'ai éliminé le matériel envoyé par des organismes dont les fonds étaient trop récents ou jugés non pertinents ou dont les réponses étaient simplement négatives.

Toutes les nations du monde ayant un littoral marin ne figurent pas ici car certaines ont entrepris trop récemment leurs recherches en océanographie. A notre grand regret nous n'avons pu trouver de collaborateur pour les pays de l'Afrique australe ou de l'URSS. Dans cette recherche de témoignages historiques nous avons toutefois découvert des informations en Autriche, du temps où l'empire austro-hongrois s'étendait jusqu'à la mer Adriatique et où son gouvernement et ses scientifiques se livraient à des recherches océanographiques. Nous avons, pour des raisons similaires, inclu la Suisse, dont les scientifiques ont inventé des appareils et des méthodes pour l'étude des lacs, que l'on a par la suite adaptés aux recherches sur la haute mer. Nos remerciements s'adressent donc aux centaines de personnes du monde entier qui ont pris le temps et la peine de remplir (encore) un questionnaire.

Au nom de l'Unesco, et en mon propre nom, je remercie les membres du groupe de travail et les directeurs des organismes auxquels ils appartiennent, sans l'aide desquels ce projet intéressant n'aurait jamais vu le jour. Ce sont:

. Madame Jacqueline Carpine-Lancre, du Musée océanographique de Monaco
. Madame Deborah Day, de la Scripps Institution of Oceanography, Californie, Etats-Unis d'Amérique
. Mademoiselle Margaret Deacon, du Département d'océanographie, Université de Southampton, Royaume-Uni
. Monsieur Martin Ehrlich, de l'INIDEP de Mar del Plata, Argentine
. Madame Christiane Groeben, de la Stazione Zoologica de Naples, Italie
. Monsieur Ian Jones, du Marine Studies Centre de l'Université de Sydney, Australie
. Monsieur le Professeur Eric Mills, du Département d'océanographie de Dalhousie University de Halifax, Canada
. Monsieur Selim Morcos, de la Division des sciences de la mer de l'Unesco à Paris, France

Personellement, je remercie sincèrement d'autres de mes collègues qui, ayant testé mes projets de questionnaire et de rubriques, m'ont donné des conseils, ainsi que Monsieur Colin Summerhayes, Directeur du Deacon Laboratory de Wormley (Royaume-Uni) qui m'a permis d'utiliser son matériel d'impression et Mesdames Jean Jones et Sheelagh Collyer qui m'ont, avec une infinie patience, assistée pendant des journées de travail sur la machine à traitement de texte. Je remercie enfin Monsieur Dale Krause, Directeur de la Division des sciences de la mer de l'Unesco, et son personnel. Le lecteur peut être sûr que nous avons fait de notre mieux, même si nous n'avons pu éviter que, pour une raison ou une autre, certaines excellentes sources soient passées entre les mailles de nos filets.

Anita McConnell
Coordonnatrice du projet

DISPOSITION DES ENTREES ET CLE DES ABREVIATIONS

NOM DE L'ORGANISME

ADRESSE

NUMERO DE TELEPHONE NUMERO DE TELEX

CONDITIONS D'ACCES Soit 'libre' soit 'réservé', **voir Note 1.**

SERVICES Fichiers ou liste, photographie ou photocopie, **voir Note 2.**

FONDS Préciser le genre de matériel catalogué 'appareils', 'échantillons' ou 'documents'.

PERIODE A défaut d'indication, le matériel date de la période 1600 à 1950.

REGION Soit à définir, soit 'sans frontières'.

DETAILS Codifiés selon la page 2 du questionnaire, **voir Note 3.** Autres remarques tirées des 'Caractéristiques' de la page 1.

Note 1. Certains organismes ne permettent l'accès qu'aux scientifiques, aux savants et à d'autres personnes qui ont reçu leur assentiment. Même si l'organisme détenteur est un musée ou une bibliothèque publics, il arrive que le matériel, gardé dans une réserve éloignée, ne soit pas immédiatement disponible. On recommande instamment aux intéressés de commencer par envoyer une demande écrite.

Note 2. Clé de la rubrique SERVICES: C = catalogue ou liste. (free) = gratuit.
P = photo. M = microfilm. X = photocopie.

Note 3. Clé de la rubrique DETAILS:

A	APPAREILS	S	ECHANTILLONS
a	Mesures de profondeur	a	Eau de mer
b	Prélèvements d'eau	b	Sédiments
c	Mesures de température	c	Biologiques
d	Mesures de courants	d	D'origine glaciaire
e	Mesures de vagues		
f	Mesures de marées	D	DONNEES
g	Carottiers et bennes	a	Bandes magnétiques
h	Photomètres	b	Photoghraphies et films
i	Mesures de salinité	c	Livres de bord et journaux
j	Appareils photographiques, microphones	d	Dessins
k	Sonar [remorqué]	e	Messages [d'observation]
l	Filets		
m	Equipement de laboratoire	M	MANUSCRITS ET DOCUMENTS
n	Machinerie de pont	a	Portraits originaux, papiers personnels
o	Echo-sondeur	b	Documents officiels et administratifs
p	Appareils de météorologie	c	Programmes de campagnes et autres travaux
q	Marégraphes	d	Histoire de l'institution
r	Sismomètres fond-de-mer		

T	PLATES-FORMES
a	Navires océanographiques
b	Submersibles océanographiques
c	Positionnement en mer
d	Ballons océanographiques/météorologiques

11

QUESTIONNAIRE

+ + + +UNESCO DIRECTORY OF SOURCES FOR THE HISTORY OF OCEANOGRAPHY+ + + +

----------Request for information----------

Please return by ..... 1988 to .....

IDENTIFICATION

Name of institution: .....

Full postal address: .....

.....

Telephone: ..... Telex .....
Answerback code

HOLDINGS

Do you have original:

documentary materials YES / NO
apparatus YES / NO
collections of specimens YES / NO

What time-period do the original materials cover? .....

Are the holdings restricted to certain oceans or seas ? YES / NO
If so, which? .....
What is your collecting policy?
.....

ACCESSIBILITY OF THE HOLDINGS

Are there restrictions on access? YES / NO
What are the opening hours?
Is there a published catalogue or hand-list? YES / NO Is it free? YES / NO
Do you supply or sell

photographs YES / NO
microfilm YES / NO
xerox or photocopies YES / NO

KEY FEATURES

Please summarise, and name any people, expeditions or topics which are are of major importance in your holdings.

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WHAT ORIGINAL SOURCE MATERIALS DATING BETWEEN 1600 AND 1950 DOES YOUR INSTITUTION HOLD? Circle YES or NO for each main class on the left. If you can be more specific tick the items in the right-hand column.

APPARATUS YES / NO	Depth measurement Water collection Temperature measurement Current measurement Wave measurement Tide measurement Seafloor corers and grabs Photometers Salinity measurement Cameras, microphones Sonar imaging apparatus Nets Lab equipment Deck machinery Sonar apparatus Met apparatus Shore tide gauges Sea-floor seismometers
TRANSPORT YES / NO	Ships Submersibles In-sea position-finding Balloons
SAMPLES YES / NO	Seawater Sea floor Biological Ice-derived
DATA YES / NO	Magnetic tape Still and moving photography Log books and diaries Drawings Derived reports
MANUSCRIPTS AND DOCUMENTS YES / NO	Portrait originals, personal papers Government and other official papers Plans for cruises and other work History of the institution

OTHER MATERIAL NOT INCLUDED ABOVE

Thankyou for your co-operation

Institute name .....
Please print your own name in case we need to contact you again.
.....

DIRECTORY OF SOURCE MATERIALS

FOR THE HISTORY OF OCEANOGRAPHY

ARGENTINA

1. **MUSEO ARGENTINO DE CIENCIAS NATURALES 'B. RIVADAVIA' Y INSTITUTO NACIONAL DE CIENCIAS NATURALES**
Avenida Angel Gallardo 470, 1405 Buenos Aires
T. 982-5243 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1823
Area: Unrestricted
Detail: Al,m; Sc; Ma,d. No other information.

AUSTRALIA

2. **NEW SOUTH WALES, ARCHIVES AUTHORITY OF NEW SOUTH WALES**
The State Archives, 2 Globe St., The Rocks, Sydney, NSW 2000
T. (02) 237-0254 Tx. -

Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1900
Area: New South Wales coastal waters
Detail: Dc,f; Mb. Coast and harbour tide and sounding records; harbour dredging and works records; maps and plans.

3. **SOUTH AUSTRALIA, SOUTH AUSTRALIAN DEPT. OF FISHERIES**
GPO Box 1625, Adelaide, SA 5001
T. (08) 227-0833 Tx. 89405 safish aa

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: No information
Area: No information
Detail: Mb,d. No other information.

4. **SOUTH AUSTRALIA, PUBLIC RECORD OFFICE OF SOUTH AUSTRALIA**
P.O. Box 713, North Adelaide, SA 5006
T. (08) 287-8220 Tx. -

Access: Restricted ***Services:*** P, M
Holdings: Documents
Timespan: From 1856
Area: Local coastal waters
Detail: Df. Material is in "Dept. of Marine & Harbours" and "Observatory" Record Groups.

5. **SOUTH AUSTRALIA, THE FLINDERS INSTITUTE FOR ATMOSPHERIC AND MARINE SCIENCES**
The Flinders University, Bedford Park, SA 5042
T. (08) 275-3911 Tx. -

Access: Open ***Services:*** C(free)
Holdings: Documents
Timespan: From 1880
Area: Australian coast
Detail: Df. Tide records.

6. **SOUTH AUSTRALIA, SOUTH AUSTRALIAN MUSEUM**
North Terrace, Adelaide, SA 5000
T. (08) 223-8911 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Samples
Timespan: From 1880
Area: Unrestricted
Detail: Sc. Sir Douglas Mawson's BANZARE Expedition (1929-31), collection of biological material.

7. **SOUTH AUSTRALIA, UNIVERSITY OF ADELAIDE (DEPT OF BOTANY)**
State Herbarium, Botanic Gardens, North Terrace, Adelaide, SA 5000
T. No information Tx. -

Access: Restricted ***Services:*** C(free) part
Holdings: Samples
Timespan: From 1945
Area: Mainly Southern Australian waters
Detail: Sc. H B S Womersley's collection of algae.

8. **TASMANIA, ARCHIVES OFFICE OF TASMANIA**
91 Murray Street, Hobart, Tasmania 7000
T. (002) 307488 Tx. 58222

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1820
Area: Tasmanian waters, Southern Oceans
Detail: Db,c,d,f; Ma,b. Tasmanian Marine Boards and other government or semi-government organisations. Log books of whaling expeditions.

9. **TASMANIA, DEPARTMENT OF SEA FISHERIES, TASMANIA**
23 Old Wharf, Hobart, Tasmania 7000
T. 30-3520 Tx. -

Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: From 1940
Area: Tasmanian coastal waters
Detail: Ma,b,c. Historical material on Tasmanian fisheries is being studied, publication will follow.

10. VICTORIA, PUBLIC RECORD OFFICE
19th level, Nauru House, 80 Collins Street, Melbourne, Victoria 3000
T. 655-6863 Tx. -
Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1836
Area: Unrestricted
Detail: M. Archives of state government agencies. Researchers must identify the responsible agency for oceanography or fisheries activities.

11. VICTORIA, STATE LIBRARY OF VICTORIA (AUSTRALIAN MANUSCRIPTS COLLECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9014 Tx. -
Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1835
Area: No information
Detail: Dc; Ma. A 'Challenger' (1872-76) journal; papers of Captain John King Davis, navigator and Arctic seaman; complete output of Australian joint copying project, including Admiralty records.

12. VICTORIA, STATE LIBRARY OF VICTORIA (MAP SECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9954 Tx. -
Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: D. Published charts but some with manuscript annotations.

13. VICTORIA, STATE LIBRARY OF VICTORIA (PICTURE COLLECTION)
328 Swanston Street, Melbourne, Victoria 3000
T. (03) 669-9928 Tx. -
Access: Open ***Services:*** P
Holdings: Documents
Timespan: From 1830
Area: Australia, mainly Victoria
Detail: Db,d; Ma. Ship illustrations, 28 watercolours by John Arthur from 'Challenger' Expedition (1872-76). Photographs from early Antarctic expeditions including Sir Douglas Mawson's BANZARE Expedition.

14. VICTORIA, UNIVERSITY OF MELBOURNE (SCHOOL OF BOTANY)
Parkville, Victoria 3052
T. (03) 344-5067 Tx. -
Access: Restricted ***Services:*** X
Holdings: Samples, Documents
Timespan: From 1920s
Area: Southern Oceans, East Indian Ocean, Central and Western Pacific.
Detail: Sc; Db,d; Md. Marine plant collections.

AUSTRIA

15. NATURHISTORISCHES MUSEUM WIEN (FISH COLLECTION)
Burgring 7, POB 417, A-1014 Wien
T. 93-45-41 Tx. 134441 natur a
Access: Restricted ***Services:*** P
Holdings: Apparatus, Samples, Documents
Timespan: From 1840
Area: Unrestricted
Detail: Ac; Sc; Db. Collections from most or all Austro-Hungarian cruises: 'Novara', 'Aurora', 'Leopard', 'Fasan', 'Zenta'.

16. NATURHISTORISCHES MUSEUM WIEN (GEOLOGY AND PALAEONTOLOGY DIVISION)
Burgring 7, POB 417, A-1014 Wien
T. (0222) 93-06-20 Tx. (1)134441 natur a
Access: Open ***Services:*** X
Holdings: Samples
Timespan: 1870-1900
Area: Eastern Mediterranean and Red Sea.
Detail: Sb. Dredge samples and foraminifera from Austro-Hungarian North Pole Expedition (1872-74). Austrian Deep-Sea Expedition, HMS 'Pola' (1890-98) in Eastern Mediterranean and Red Sea.

17. NATURHISTORISCHES MUSEUM WIEN (ZOOLOGICAL SECTION 3)
Burgring 7, A-1014 Wien
T. 93-45-41 x328 Tx. 134441 natur a
Access: Restricted ***Services:*** P
Holdings: Samples
Timespan: 1850-1900
Area: Unrestricted
Detail: Sc. 'Novara' Expedition, 'Pola' Expedition, Jan Mayen Nordpol Expedition.

18. ÖSTERREICHISCHES STAATSARCHIV (HAUS-, HOF- UND STAATSARCHIV)
Minoritenplatz 1, A-1010 Wien
T. 53115 x2516 Tx. -
Access: Open ***Services:*** C(free), P, M, X
Holdings: Documents
Timespan: No information
Area: Unrestricted

Detail: De; Ma,b. Scientific expeditions, navigation and fisheries including Ostindische Kompagnie. Published listing "Quellen zur Gesichte Afrikas, Asiens und Ozeaniens im Österreichischen Staatsarchiv bis 1918" (Munich 1986).

BELGIUM

19. INSTITUT ROYALE DES SCIENCES NATURELLES DE BELGIQUE (SECTION OCÉANOGRAPHIE)

29, rue Vautier, B-1040 Bruxelles
T. (02) 648-0475 Tx. -

Access: Restricted ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 19th century
Area: North Sea, Polar Sea
Detail: Ab,c,g,k,l,o: Sc; Db,c; Ma,b. A de Gerlache, Gilson, Capart; 'Belgica' Expedition to Arctic and Antarctic. Systematic exploration of the North Sea (Gilson). Southern Atlantic Expedition (Capart).

20. NATIONAL MARITIME MUSEUM

Steenplein 1, B-2000 Antwerp
T. (03) 232-0850 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From Early Middle Ages
Area: Unrestricted
Detail: A; S; D; M. A de Gerlache, Belgian Antarctic Expedition (1897-99). History of regional navigation.

21. MUSEUM OF SCIENCE AND TECHNOLOGY

State University, Gent. Kortemeer 9, B-9000 Gent
T. (091) 25-76-51 x296 Tx. 12754 rugent b

Access: Open ***Services:*** P,X
Holdings: Apparatus, Documents
Timespan: From 18th century
Area: Unrestricted
Detail: Mercator, A de Gerlache, Meeuwissen. 19th century diving suit.

CANADA

22. CANADIAN HYDROGRAPHIC SERVICE (HYDROGRAPHIC DATA CENTRE)

Bedford Institute of Oceanography, PO Box 1006, Dartmouth, NS, B2Y 4A2
T. (1-902) 426-2397 Tx. 01931552

Access: Restricted ***Services:*** X
Holdings: Apparatus, Documents
Timespan: From 1900
Area: Arctic Ocean, Canadian Arctic Archipelago, Atlantic Coast of Canada, Gulf of St Lawrence, Baffin Bay, Lincoln Sea, Labrador Sea, Davis Strait.
Detail: Af; Da,b,d,e; Mb.

23. DEPARTMENT OF FISHERIES AND OCEANS (BIOLOGICAL STATION)

St Andrews, NB, E0G 2X0
T. (506) 529-8854 Tx. 10931552

Access: Restricted ***Services:*** C(free)
Holdings: Documents
Timespan: From 1918
Area: Northwest Atlantic
Detail: Mb,c,d. St Andrews Biological Station, the first permanent Canadian marine biological station, established 1918.

24. HUDSON'S BAY COMPANY ARCHIVES

Provincial Archives of Manitoba, 200 Vaughan Street, Winnipeg, Manitoba, R3C 1T5.
T. (204) 945-4949 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 1710
Area: White Sea, Northwest Passage, North Atlantic, North Pacific
Detail: Dc. Ships' logs, correspondence, scientific and shipping records.

25. MARITIME HISTORY ARCHIVE

Memorial University,
St Johns, Newfoundland, A1C 5S7
T. (709) 737-8428 Tx. -

Access: Restricted ***Services:*** C, X
Holdings: Documents
Timespan: From 1800
Area Unrestricted
Detail: D; M. Newfoundland mercantile records. Great Britain Board of Trade records.

26. NATIONAL ARCHIVES OF CANADA (CARTOGRAPHIC AND ARCHITECTURAL ARCHIVES DIVISION)

395 Wellington Street, Ottawa, Ontario, K1A 0N3
T. (613) 995-1077 Tx. 0533367 prcnaott

Access: Open ***Services:*** C, P, M
Holdings: Documents
Timespan: From 1490
Area: Oceans bordering Canada
Detail: French, English and Dutch charts relating to the early exploration of Canada, eg: N Bellin, J Cook, G Vancouver, J Franklin. Canadian hydrographic and fishery charts. NB "Catalogue of the National Map Collection, Public Archives of Canada" 16 vols, G Hall and Co, 1976.

27. **NATIONAL ARCHIVES OF CANADA (GOVT. ARCHIVES DIVISION)**
395 Wellington Street, Ottawa, Ontario, K1A 0N3
T. (613) 995-1077 Tx. 0533367 prcna ott

Access: No information ***Services:*** No information
Holdings: Documents
Timespan: From 1880
Area: No information
Detail: Relevant material can be found under the following heads: RG42 Marine Branch, RG12 Dept. of Transport, RG23 Dept. of Fisheries and Oceans, RG93 Atmospheric Environment Service, RG24 Dept. of National Defence, RG51 International Joint Commission (Canada-USA), RG77 National Research Council, RG33 Royal Commissions, RG89 Water Resources Branch, RG139 Canadian Hydrographic Service,RG108 Environment Canada, RG45 Geological Survey of Canada, RG92 Geographical Branch, RG85 Northern Affairs Program, RG22 Indian Affairs and Northern Development.

28. **MARITIME MUSEUM OF BRITISH COLUMBIA**
28 Bastion Square, Victoria, British Columbia, V8W 1H9
T. (604) 385-4222 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus
Timespan: From 1750
Area: Unrestricted
Detail: Aa,c,d,f,l,p; Ta; Ma,b,c,d.

29. **NATIONAL MUSEUM OF NATURAL SCIENCES**
PO Box 3443, Stn. D, Ottawa, Ontario, K1P 6P4
T. (613) 954-4947 Tx. -

Access: Restricted ***Services:*** C(free), P, M, X
Holdings: Samples, Documents
Timespan: From 1863
Area: Unrestricted
Detail: Sc; Db,c,d,e. Canadian Arctic Expedition (1913-18) collections. Canadian Fisheries Research Board collections from 1918. J F Whiteaves, Gulf of St Lawrence (1871-73) collections. Many other Pacific, Arctic and N Atlantic Expeditions.

30. **MARITIME MUSEUM OF THE ATLANTIC**
1675 Lower Water Street, Halifax, NS B3J 1S3
T. (902) 429-8210 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus
Timespan: From 1900
Area: Atlantic Coast
Detail: Aa,d,f,l; Ta. No other information.

31. **NATIONAL DEFENCE HEADQUARTERS (DIRECTORATE OF HISTORY)**
101 Colonel Bydrive, Ottawa, Ontario, K1A 0K2
T. (613) 998-7057 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1867
Area: Canadian coastal waters
Detail: M. No other information.

32. **NOVA SCOTIA MUSEUM**
1747 Summer Street, Halifax, NS B3H 3A6
T. (902) 429-4610 Tx. -

Access: Open ***Services:*** C(free), P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1870
Area: North Atlantic
Detail: Ac,d,m,n; Ta; Sc; Dc,e; Md. HMS 'Challenger', cableship 'Minia', US Fish Commission collections. Retired Research Vessel 'Acadia' (kept at the Maritime Museum of the Atlantic).

CHILE

33. **INSTITUTO HIDROGRAFICO DE LA ARMADA DE CHILE (SALA HISTORICO Y ARCHIVO HIDROGRAFICO**
Casilla 324, Valparaiso
T. (034) 251056 Tx. 230362 hidro cl

Access: Restricted ***Services:*** X
Holdings: Apparatus, Documents
Timespan: From 1834
Area: Pacific Ocean, Antarctica
Detail: Aa,c,d,f,p; Da,c; Ma,b,c,d. Physical and descriptive oceanography, tides and currents.

CHINA

34. **QUANZHOU MUSEUM OF OVERSEAS COMMUNICATIONS**
Quanzhou, Fujian
T. 33905 Tx.-

Access: Open ***Services:*** C,P,X
Holdings: Apparatus, Samples, Documents
Timespan: No information
Area: Unrestricted
Detail: Study of overseas communications history, history of scientific and technical exchanges between China and foreign countries.

35. **THIRD INSTITUTE OF OCEANOGRAPHY**
178 Daxue Road, PO Box 70, Xiamen, Fujian
T. Xiamen 24880 Tx. 361005

Access: Open ***Services:*** P, X
Holdings: Samples, Documents
Timespan: 1800-1900
Area: Fujian coastal waters and Taiwan Strait
Detail: Sb; De; Ma. Zhou Qiulin, Su Xianze.

DENMARK

36. **AARHUS UNIVERSITY (GEOLOGISK INSTITUT)**
Ny Munkegade, Bygn 520, DK-8000 Aarhus C
T. (06) 12-88-99 Tx. -

Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: 1940-44
Area: Danish North Sea coast
Detail: Db. No other information.

37. **DANISH MARITIME MUSEUM**
Kronberg Castle, DK-3000 Helsingør
T. (01) 21-06-85 Tx. -

Access: Open ***Services:*** P, X
Holdings Apparatus, Samples, Docments
Timespan: From 1400
Area: Unrestricted
Detail: Aa,c,d: Dc,d,e; Ma.
Non-naval history, models, photos, charts, drawings; company and personal archives.

38. **DANISH METEOROLOGICAL INSTITUTE**
Lynbyvej 100, DK- 2100 Copenhagen Ø
T. 01-292-100 Tx. -

Access: Open ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 1890
Area: Unrestricted
Detail: Ac,i,q; De; M.

39. **FISKEREI OG SØFARTSMUSEET, SALTVANDSAKVARIET**
Tarphagevej, DK-6710 Esbjerg V
T. (455) 15-06-66 Tx. -

Access: Open ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1880
Area: Danish waters
Detail: Aa,b,c,d,i,l,n,o; S; M.

40. **FYSISK OCEANOGRAFI, N HØJERSLEV**
Haraldskade 6, DK- 2200 Copenhagen N
T. (01) 83-39-92 Tx. 16469 mcphgi dk

Access: Open ***Services:*** X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: Unrestricted
Detail: Ab,h; Dd. Martin Knudsen, Bjerrum, N Jerlov.

41. **NATIONAL ARCHIVES, 4TH DEPARTMENT**
Rigsdagsgården 9, DK-1218 Copenhagen K
T. 31-92-23-10 Tx. -

Access: Restricted ***Services:*** C(free), P, M, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Dc,e; Ma,c. Anton Frederik Bruun, Johannes Schmidt, Komiteen for den Danske Dybhavsexpedition ('Galathea' Expedition).

42. **THE ROYAL LIBRARY (DEPARTMENT OF MANUSCRIPTS)**
PO Box 2149, DK- 1219 Copenhagen K
T. (01) 93-01-11 x411 Tx. 15009 kglbib dk

Access: Open ***Services:*** X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Dc. Danish material.

43. **SVENDBORG OG OMEGENS MUSEUM**
Grobbemøllevej 13, DK- 5700 Svendborg
T. 09210261 Tx. -

Access: Open ***Services:*** P,X
Holdings: Documents
Timespan: 1800-1950
Area: Svendborg Sound and local waters
Detail: Aa,l,n; Db,c,d,e; Ma,b,c,d.

44. **UNIVERSITY OF COPENHAGEN (ZOOLOGICAL MUSEUM)**
Universitetsparken 15, DK-2100 Copenhagen Ø
T. (45-01) 35-41-11 Tx.-

Access: Open ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1761
Area: Unrestricted
Detail: Sc; D; M. Danish 'Ingolf' Expedition (1895-6); 'Dana' Expedition (1928-30); 'Galathea' Expedition, (1950-52). Documents relating to Danish zoology.

EIRE

45. ROYAL DUBLIN SOCIETY
Ballsbridge, Dublin 4
T. 01-680645 Tx 90352 rds ei
Access: Restricted ***Services:*** X
Holdings: Apparatus
Timespan: c1890
Area: Irish waters
Detail: Ac. Two Negretti & Zambra thermometers used in fisheries research sponsored by the Society during the late 19th century.

46. ROYAL IRISH ACADEMY
19 Dawson Street, Dublin 2
T. (Dublin) 764222 Tx. -
Access: Open ***Services***: X
Holdings: Samples, Documents
Timespan: From 1850
Area: Seas around Ireland, Atlantic Ocean
Detail: Sc; D; Mc,d. Tidal elevations 1850-51. Collection of Australian algae.

47. UNIVERSITY COLLEGE CORK (ZOOLOGICAL MUSEUM)
Zoology Department, University College, Lee Mattings, Prospect Row, Cork
T. (010353) 21-276871 Tx. 76050 unic ei
Access: Restricted ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted
Detail: Sc; Dc; Ma,d.

FINLAND

48. ÅLANDS SJÖFARTSMUSEUM
Hamngatan 2, SF- 22100 Mariehamn
T. 28-11-930 Tx. -
Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 1800
Area: Unrestricted
Detail: Material related to Åland Islands.

49. FINNISH INSTITUTE OF MARINE RESEARCH (LIBRARY)
PO Box 33, SF- 00931 Helsinki
T. 358-0-331044 TX. 125731 imr sf
Access: Restricted ***Services***: No information
Holdings: Apparatus, Samples, Documeents
Timespan: From 1898
Area: Baltic Sea
Detail: Aa,b,c,d,f,g,h,i,j,l,m,o,p; Ta; Sa,b,c,d; Dc,e; Ma,b,c,d. Rolf Witting; Kurt Buch; Henrik Renqvist; Stina Gripenberg; Sven G Segerstråle; Ilmo Hela; Folke Koroleff; Erkki Palosuo; Eugenie Lisitzin. Original instruments designed at the institute. Physics, chemistry, biology, sea ice and some early sedimentary studies.

50. HANGON MUSEO
Bulevardi 15, SF- 10900 Hanko
T. 358-11-83131 Tx. -
Access: Open ***Services:*** C, P, X
Holdings: Apparatus, Documents
Timespan: From 1700
Area: Baltic Sea
Detail: Al; Db,c,d,e; M. Fishing industry.

51. HELSINKI UNIVERSITY (ZOOLOGICAL MUSEUM)
P Rautatiekatu 13, SF- 00100 Helsinki
T. 40271 Tx. -
Access: Open ***Services:*** None
Holdings: Samples
Timespan: From 1850
Area: Northern Baltic and some from elsewhere
Detail: Sc. C Segerstråle (1930s) Pacific; A v Nordmann (1850s) Black Sea; Munsterhjelm (early 1900s) North Atlantic collections.

52. SJÖHISTORISKA MUSEET VID ÅBO AKADEMI
Biskopsgatan 13, SF- 20500 Abo
T. 921-654152 Tx. -
Access: Open ***Services:*** C, P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1800
Area: Local coastal waters
Detail: Aa,c,i,l; Da,b,c,d; Ma,b,e. Museum ship 'Sigyn', 3-masted barque built 1887.

FRANCE

53. ARCHIVES DÉPARTMENTALES DE LA CHARENTE-MARITIME
136-144 rue de Coureilles, F- 17000 La Rochelle
T. 46-45-17-77 Tx. -
Access: Open ***Services:*** None
Holdings: Documents
Timespan: 17th and 18th centuries
Area: Atlantic Ocean
Detail: Dc; Mb. La Rochelle and Marennes Admiralty records; mercantile navigation and fisheries; log-books; wreck reports.

54. ARCHIVES DÉPARTMENTALES DES CÔTES-DU-NORD
7 rue François Merlet, F- 22000 St-Brieuc
T. 96-78-78-77 Tx. -

Access: Open ***Services:*** C, X
Holdings: Documents
Timespan: 1760-1940
Area: Local coast
Detail: Mb. Project to drain part of St-Brieuc Bay, c1760; other official maritime archives.

55. ARCHIVES DÉPARTMENTALES DE L'HÉRAULT

2 avenue de Castelnau, BP 1266, F- 34011 Montpellier Cedex
T. 67-79-65-45 Tx. -

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 18th century.
Area: No information
Detail: M. L F Marsigli (1658-1730); studies of coral (18th century); coastal engineering; currents, marine sciences by members of the "Société royale de Montpellier" (18th century).

56. ARCHIVES DÉPARTMENTALES DE LA SEINE-MARITIME

Cours Clemenceau, F- 76101 Rouen
T. 35-03-54-95 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: 19th and 20th centuries
Area: Local coast
Detail: Ma,b,c,d. Coastal engineering; archives of societies and expeditions; maritime administration.

57. ARCHIVES MUNICIPALES DE BORDEAUX

71 rue du Loup. F-33000 Bordeaux
T. 56-90-91-60 Tx. -

Access: Open ***Services:*** C(free), P, X
Holdings: Documents
Timespan: 1898-1908
Area: North Atlantic
Detail: Dc; Ma. Archive of the "Société de géographie commerciale" has relevant material. Records of the "Société d'océanographie du Golfe de Gascogne".

58. COLLÈGE DE FRANCE, LABORATORY OF MARINE BIOLOGY (LIBRARY AND HERBARIUM)

F- 29110 Concarneau
T. 98-97-06-59 Tx. -

Access: Restricted ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1859
Area: No information
Detail: Sc; Ma,d. Marine biology, embryology, biochemistry. Cronan herbarium (seaweeds).

59. IFREMER

BP 1049, F- 44037 Nantes Codex
T. 40-37-40-00 Tx. 711196

Access: Restricted ***Services:*** No information
Holdings: Apparatus, Samples, Documents
Timespan: From 1918
Area: Atlantic and East Indian Oceans, Mediterranean Sea
Detail: Ab,c,d,g,i,l; Sc; Mc.

60. INSTITUT OCÉANOGRAPHIQUE

195 rue St Jacques, 75005 Paris
T. (01) 43-25-63-10 Tx.-

Access: Restricted ***Services:*** X
Timespan: From 1830s
Area: Unrestricted
Detail: A; Sc; Db; Ma,d. A large collection of stereoscopic slides, dating back to the early 20th century, taken during the expeditions of Cdt Charcot and Prince Albert I. Expeditions of Prince Albert I of Monaco (from 1885) and Cdt J B Charcot (early 20th century). Reports of expeditions 'L'Astrolabe' (1826-), 'La Recherche' (1838-), 'L'Uranie' (1844-), 'Travailleur' and 'Talisman' (1906-).

61. MUSÉE FRANÇAIS DE LA PHOTOGRAPHIE

78, rue de Paris, BP 3, F- 91570 Bievres
T. (1) 69-41-10-60 Tx. -

Access: Restricted ***Services:*** P
Holdings: Documents
Timespan: From 19th century
Area: No information
Detail: Db. Gabriel Bertrand's photographs of Prince Albert of Monaco's oceanographic researches, c1900.

62. MUSEUM D'HISTOIRE NATURELLE

12, rue Fontaine Neuve, F- 66000 Perpignan
T. 68-35 63 30 x6536 Tx. -

Access: Restricted ***Services:*** None
Holdings: Samples
Timespan: 19th century
Area: Unrestricted
Detail: Sc. Mollusc collections of Massot, Bucquoy, Pepraty (Mediterranean) and Lavigne (New Caledonia).

63. MUSÉE DE LA MARINE (SERVICE D'ÉTUDES ET DOCUMENTATIONS)

Palais de Chaillot, Place du Trocadero, F-75116 Paris
T. 45-53-31-70 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 17th century
Area: Atlantic Ocean
Detail: No information

64. MUSEUM NATIONAL D'HISTOIRE NATURELLE (CENTRE CNRS, ANTHROPOLOGIE MARITIME)

43 rue Cuvier, F- 75005 Paris
T. (1) 43-31-40-10 Tx. -

Access: Open Services: C, X
Holdings: Documents
Timespan: From 19th century
Area: Unrestricted
Detail: M. Fishing societies and techniques from Atlantic Ocean and Oceania.

65. MUSEUM NATIONAL D'HISTOIRE NATURELLE (ICHTYOLOGIE GÉNÉRALE ET APPLIQUÉE)
43 rue Cuvier, F- 75231 Paris Cedex 05
T. (1) 43-31-40-10 Tx. -
Access: Restricted ***Services:*** C(free), P, X
Holdings: Samples, Documents
Timespan: From 1750
Area: Unrestricted
Detail: Sc; D. Fish collections from Cuvier, Valenciennes, and from the major national and international expeditions.

66. MUSÉE NAVAL DE LA CITADELLE
F- 83990 St-Tropez
T. 94-97-06-53 Tx. -
Access: Open ***Services:*** C, P
Holdings: Apparatus, Documents
Timespan: To 1944
Area: Mediterranean Sea
Detail: Ac,l; Dd; Ma,b,c. Local navigation, harbour, fishing.

67. MUSÉE DE LA PÊCHE
BP118, F- 29181 Concarneau
T. 98-97-10-20 Tx. -
Access: Open ***Services:*** No information
Holdings: Apparatus, Documents
Timespan: 19th century
Area: Unrestricted
Detail: Al; Db,c. Fishing gear.

68. MUSÉE DE ST-MALO ET MUSÉE INTERNATIONAL DU LONG-COURS CAP-HORNIER
Château-Hotel de Ville, BP 147, F- 35408 St-Malo Cedex
T. 99-40-71-11 Tx. -
Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Db; Ma. J Cartier, Canadian voyages. Cape Horn area voyages. Indian Ocean and Mauritius. Charcot Polar expeditions, 1903-36.

69. UNIVERSITÉ PIERRE ET MARIE CURIE - CNRS UA 117 (LABORATOIRE ARAGO)
F- 66650 Banyuls-sur-mer
T. 68-88-00-40 Tx. 505020 aragoba f
Access: Open ***Services:*** X
Holdings: Documents
Timespan: From 1882
Area: No information
Detail: Ma,d. No other information.

GERMANY, DEMOCRATIC REPUBLIC

70. MEERESMUSEUM FUR MEERESKUNDE UND FISCHEREI DER DDR
Katharinenberg 14, DDR- 2300 Stralsund
T. Stralsund 5135 Tx. -
Access: Open ***Services:*** None
Holdings: Apparatus
Timespan: c1930
Area: Unrestricted
Detail: Ad,g. No other information.

GERMANY, FEDERAL REPUBLIC

71. DEUTSCHES MUSEUM (SPECIAL COLLECTIONS AND MARITIME DEPARTMENTS)
Museumsinsel 1, D- 8000 München
T. (089) 2179-220 Tx. 05-24211 d
Access: Open ***Services:*** P, M, X
Holdings: Apparatus, Documents
Timespan: From 19th century
Area: Unrestricted
Detail: Aa; Db,d; M. Correspondence of E V Drygalski, Alfred Wegener, G V Neumeyer. Photographs of former "Museum für Meereskunde" in Berlin, and of research apparatus in 'Special Collections'. Apparatus is in Maritime Department.

72. UNIVERSITÄT KIEL (INSTITUT FÜR MEERESKUNDE)
Dusternbrooker Weg 20, D- 2300 Kiel 1
T. (0431) 597-3902 Tx. 292619 ifmk d
Access: Open ***Services:*** P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1870
Area: Baltic Sea, North and South Atlantic Ocean
Detail: Aa,b,c,d,f,h,i,j,k,l; Sa,b; Db,d; Ma,d. Otto Krümmel, Victor Hensen, Georg Wust. 'Meteor' cruises previous to World War 2. Baltic research.

GREECE

73. NATIONAL CENTRE FOR MARINE RESEARCH
Aghios Kosmas, Hellinikon, GR- 16604
T. 9820214 Tx. 224135 ncmr gr

Access: Open ***Services:*** None
Holdings: Apparatus, Samples
Timespan: From 1945
Area: Mediterranean Sea
Detail: Ab,c,d; Sc. No other information.

ICELAND

74. THE NATIONAL ARCHIVES OF ICELAND
Laugavegur 162, 105 Reykjavik
T. 91-623393 Tx. -
Access: No information ***Services:*** No information
Holdings: Documents
Timespan: No information
Area: No information
Detail: M. Yearly reports of Bjarni Saemundsson from 1890s to 1940, mainly on marine biology and commercial fisheries, also ocean temperatures.

INDIA

75. NATIONAL ARCHIVES OF INDIA
Janpath, 110001 New Delhi
T. 383436 Tx. -
Access: Open ***Services:*** No information
Holdings: Documents
Timespan: 1748-1944
Area: No information
Detail: M. Home Department (1748-1837), Foreign Department (1756-1837), Marine Department (1838-1944) may have material. Marine development and administration, marine surveys.

INDONESIA

76. CENTRE FOR OCEANOLOGICAL RESEARCH AND DEVELOPMENT (LIPI)
Jalan Pasir Portih 1, Ancol Timur, PO Box 580, DAK, Jakarta 11001
T. 683-850 Tx. 45875 pdin ia
Access: Restricted ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1899
Area: Indonesian coastal waters
Detail: Sc; Md. No other information.

ITALY

77. CNR, ISTITUTO SPERIMENTALE TALASSOGRAFICO
Viale R. Gessi 2, 34123 Trieste
T. (040) 305 312 Tx.-
Access: Restricted ***Services:*** None
Holdings: Apparatus
Timespan: From 1900
Area: No information
Detail: Ab,d,f,h. No other information.

78. CIVICO MUSEO NAVALE DIDATTICO
Via San Vittore 21, 20123 Milano
T. (2) 481 7270 Tx. -
Access: Restricted ***Services:*** None
Holdings: Apparatus, Documents
Timespan: 19th and 20th centuries
Area: Mediterranean Sea
Detail: Ad,n,p; Ta,b. Polar expeditions of Luigi Amedeo di Savoia (1899-1900) and Umberto Nobile (1928). Models of exploring vessels 'Stella Polare' and 'Vega'.

79. ISTITUTO E MUSEUM DI STORIA DELLA SCIENZA
Piazza dei Giudici 1, 50122 Firenze
T. (055) 29-34-93 Tx. -
Access: Open ***Services:*** C, P, X
Holdings: Apparatus, Documents
Timespan: To 19th century
Area: No information
Detail: Ac,d,f; Md. No other information.

80. MUSEO CIVICO DI STORIA NATURALE 'GIACOMO DORIA'
Via Brigata Liguria 9, 16121 Genova
T. (010) 564-567 Tx. -
Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: No information
Area: Mediterranean
Detail: Md. No other information.

81. MUSEO TECHNICO NAVALE
Viale Amendola 1, 19100 La Spezia
T. (0187) 36151 x2251 Tx.-
Access: Open ***Services:*** None
Holdings: Apparatus, Samples, Documents
Timespan: 1800-1938
Area: Unrestricted
Detail: Ta,b; Ma,b,c,d. Collections from the Duke of Abruzzi's North Pole Expedition, 'Stella Polare' (1899-1900) and from Gen. Nobile's Expedition in the balloon 'Italia'(1928).

82. STAZIONE ZOOLOGICA 'ANTON DOHRN' (ARCHIVES)
Villa Comunale, 80121 Napoli
T. (081) 5833274 Tx. 720256 szn i

Access: Restricted ***Services:*** P, M, X
Holdings: Samples, Documents
Timespan: From 1870
Area: Mediterranean Sea
Detail: Sc; Dd; Ma,c,d. Gaetano Chierca; F A Krupp; Italian Navy. Oceanographical expeditions in the Mediterranean. Collection of preserved biological specimens; collection of algae.

83. UNIVERSITY OF BOLOGNA (LIBRARY)
Via Zamboni 35, 40126 Bologna
T. (051) 243420 Tx. -

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Ma,d. Archive of L F Marsigli (1658-1730) (published catalogue) and material relating to other naturalists.

MONACO

84. INTERNATIONAL HYDROGRAPHIC BUREAU (LIBRARY)
7, avenue Président J F Kennedy, BP 445, MC- 98011 Monaco Cedex
T. (33) 93-50-65-87 Tx. 479164 inhorg mc

Access: Open ***Services:*** No information
Holdings: Documents
Timespan: From 1921
Area: Unrestricted
Detail: Md. No other information.

85. MUSÉE OCÉANOGRAPHIQUE (BIBLIOTHÈQUE)
Avenue St-Martin, Monaco-Ville, MC- 98000
T. 93-30-15-14 x49 Tx. 469037 remona mc

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 1880
Area: Unrestricted
Detail: Dc; Ma,c,d. Prince Albert I of Monaco's cruises and research. Monaco oceanographic museum records.

86. MUSÉE OCÉANOGRAPHIQUE (SERVICE DES COLLECTIONS)
Avenue St-Martin, Monaco-Ville, MC- 98000
T. 93-30-15-14 x25 Tx. 469037 remona mc

Access: Restricted ***Services:*** C, P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1885
Area: Mediterranean Sea, Atlantic Ocean
Detail: Aa,b,c,d,e,f,g,h,i,l,m,n,o,p,q; Ta,b,d; Db,d; Ma. Instruments and collections of Prince Albert I of Monaco. Other pre-1914 instruments.

NETHERLANDS

87. FISHERY MUSEUM, INSTITUTE FOR THE NORTH SEA FISHERY OF THE NETHERLANDS
Westhavenkade 53-54, NL- 3131 AG Vlaardingen
T. (010) 434-8722 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1860
Area: North Sea
Details: Ab,k,l,n,o,p; Ta; Db,c,d,e; Ma,b,d. Fish, fishing methods, boats and social background of fisheries.

88. INSTITUTE FOR TAXONOMIC ZOOLOGY
Postbus 4766, NL- 1009 AT Amsterdam
T. (020) 525-7234 Tx. -

Access: Restricted ***Services:*** C(part)
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted
Detail: Sc; De; M. 'Siboga' Expedition (1899) complete collections. 'Plankton' Expedition (1900-03). Other collections from Indonesia, West Indies and North Atlantic.

89. KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT
Postbus 201, NL- 3730 AE De Bilt
T. 3130-766911 Tx. 47096

Access: Restricted ***Services:*** C(free), X
Holdings: Apparatus, Documents
Timespan: From 1850
Area: Unrestricted
Detail: Ab,c,d,p; Tc; Dc,e; Ma,d.

90. NEDERLANDS INSTITUTE FOR FISHERY INVESTIGATIONS
Haringkade 1, PO Box 68, NL- 1970 AB Ijmuiden
T. (31) 2550-64646 Tx. 71044 rivo nl

Access: Open ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: North Sea
Detail: Ab,c,d,h,i,m. P P C Hoek, first Director, first General Secretary of ICES (1902-07). North Sea fisheries. ICES Foundation Archives (kept at the Hague) may be seen here by appointment.

91. UNIVERSITEITS BIBLIOTHEEK VAN AMSTERDAM (KAARTENZAAL)
Singel 425, NL- 1012 WP Amsterdam
T. (020) 525-2354 x55 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1550
Area: Unrestricted
Detail: Dc, e. Rutters and pilots from 1550. Charts by P Plancius, W Barentsz, Waghenaer, W and J Blaeu, P Goos, J and G von Keulen. Some VDC charts by I de Graaff. Library and map collections of the "Kong. Ned. Aardryskundig Gen." (Royal Dutch Geographical Society).

NEW ZEALAND

92. FISHERIES RESEARCH CENTRE
PO Box 297, Wellington
T. (04) 861-029 Tx. 30049 maffcc nz

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: 1901-07
Area: New Zealand coastal waters
Detail: Dc. New Zealand government trawling expeditions, 1900-01 and 1907.

93. UNIVERSITY OF OTAGO, PORTOBELLO MARINE LABORATORY
PO Box 8, Portobello, Dunedin
T. (024) 780-011 Tx. -

Access: Open ***Services:*** P, X
Holdings: Documents
Timespan: From 1900
Area: Southeast New Zealand coastal waters
Detail: Db,e; Ma,d. G M Thomson and other early researchers. Materials relating to institution's establishment originally as Portobello Fish Hatchery and Biological Station.

NORWAY

94. 'FRAM' MUSEUM
Bygdøynes, N- 0286 Oslo 2
T. No information Tx.-

Access: Open ***Services:*** C, P, M
Holdings: Apparatus, Samples, Documents
Timespan: 1893-1912
Area: Polar Seas, Antarctica
Detail: Ta. Fridtjof Nansen (Arctic Polar Sea), Otto Sverdrup (Canadian Arctic Sea), Roald Amundsen (Antarctic Polar Sea).

95. GEOFYSISK INSTITUTT (AVD OSEANOGRAFI)
Allegt 70, N- 5000 Bergen
T. No information Tx. -

Access: Open ***Services:*** No information
Holdings: Apparatus, Documents
Timespan: From 1900
Area: Northern Seas
Detail: Aa,b,c,d,f,h,i; Da,b,c,d,e; Ma,d. Helland-Hansen, Haakon Mosby. Expeditions in northern seas, mainly Norwegian Sea

96. INSTITUTE OF MARINE RESEARCH, DIRECTORATE OF FISHERIES
PO Box 1870, Nordnes, 5024 Bergen
T. 47-5-327760 Tx. 42297 ocean n

Access: Restricted ***Services:*** P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: North Atlantic, Barents and Arctic Seas, Norwegian coast
Detail: Aa,c,d,i,l,m,o; Sc; Da,b,c,d; Ma,b,c,d. Norwegian fishery research expeditions in North Atlantic, Barents Sea, Norwegian Sea, since 1900.

97. SANDEFJORD MARITIME MUSEUM (COMMANDER CHR. CHRISTENSEN'S WHALING MUSEUM)
Prinserinsgaten 39, N- 3200 Sandefjord
T. 034-63251 Tx. -

Access: Restricted ***Services:*** P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: 19th and 20th centuries
Area: Unrestricted
Detail: No information

98. UNIVERSITY OF OSLO (INSTITUTE OF GEOPHYSICS)
PB 1022, Blindern, N- 0315 Oslo 3
T. (02) 45-58-23 Tx. -

Access: Open ***Services:*** None
Holdings: Apparatus
Timespan: 1900-20
Area: Unrestricted
Detail: Ac,d. No other information.

PHILIPPINES

99. NATIONAL MAPPING AND RESOURCE INFORMATION AUTHORITY (OCEANOGRAPHIC SURVEYS DIVISION)
421 Barraca Street, Binondo, PO Box 1620
Manila
T. 47-96-11 Tx. 722-7373 cgs ph

Access: Open ***Services:*** P, M
Holdings: Apparatus, Documents
Timespan: From 1947
Area: No information
Detail: Af; Ta; Df.

100. NATIONAL MUSEUM OF THE PHILIPPINES, (BOTANY AND ZOOLOGY DIVISION)
Executive House, Rizal Park, PO Box 2659
Manila
T. 977-307 Tx. -
Access: Restricted ***Services:*** C(free), X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: Unrestricted
Detail: Am; Sc; Dc, e; Mb, d.

101. UNIVERSITY OF SAN CARLOS
Cebu City 6401
T. 7-24-10 Tx. -
Access: Restricted ***Services:*** None
Holdings: Samples
Timespan: From 1950s
Area: No information
Detail: Sc. Corals.

POLAND

102. ARCHIWUM AKT NOWYCH
Niepodleglosci ul 162, 02-554 Warszawa
T. 49-50-07 Tx. -
Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1918
Area: Unrestricted
Detail: D. Records of various ministries of industry, navigation and commerce. Shipping company records. Archives 132, 286, 286(II), 313, 547, 246, 247, 299,518, 828 have relevant material.

103. ARCHIWUM PAŃSTWOWE IN GDAŃSK
Ul. Waly Piastowskie 5, 80-958 Gdańsk
T. 31-74-64 Tx. -
Access: Open ***Services:*** C(free), m, X
Holdings: Documents
Timespan: From 18th century
Area: Baltic Sea, Atlantic Ocean
Detail: Dc; Mb, d. Records of 18th century shipwreck and damage in Baltic and North Seas. Shipping industry records from 19th and 20th centuries.

104. ARCHIWUM PAŃSTWOWE IN SZCZECIN
Ul św Wocjiecha 13, 70-410 Szczecin
T. 36-770 Tx. -
Access: Open ***Services:*** M
Holdings: Documents
Timespan: From 1800
Area: North Sea
Detail D. Cartographic documents.

PORTUGAL

105. AQUARIO 'VASCO DA GAMA'
Rua Direita, Dafundo, 1495 Lisboa
T. (01) 419-6337 Tx. -
Access: Open ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1896
Area: Portuguese coastal waters
Detail: Aa,b,c,d,i,j,l,m; Sc; Dc,d,e; Ma,c,d. Dom Carlos I, 'Amelia' Expeditions, 1896-1903, collections, data and other documents. Fishing techniques and apparatus.

106. INSTITUTO HIDROGRAFICO
Rua das Trinas 49, 1296 Lisboa Codex
T. 601191/6 Tx. 65990 hidrog p
Access: Restricted ***Services:*** M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1917
Area: Atlantic Ocean, Pacific Ocean
Detail: Aa,c,d,f,g,h,i,m,n,o; Sa,c; Da,d,e; Md. Hydrography and oceanography generally.

107. MUSEU MUNICIPAL DE FUNCHAL
Rua de Mouraria 31, 9000 Funchal, Madeira
T. 091-29761 Tx. 72349 funcal p
Access: Open ***Services:*** X
Holdings: Samples, Documents
Timespan: From 1930
Area: Northeast Atlantic Ocean, especially round Madeira and other islands
Detail: No information. Fish collections from RRS 'Challenger' and RRS 'Discovery' expeditions to the area (published).

ROMANIA

108. MUZEUL DE ISTORIE NATURALA 'GRIGORE ANTIPA'
Sos. Kiseleff 1, 79744 Bucuresti
T. 50-47-25 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: 19th century
Area: Black Sea, Antarctic Sea.
Detail: A; Sc; Dc; Ma,c. Letters, photographs and apparatus of Grigore Antipa's Black Sea Expedition, 1893. Important correspondence and papers of Emil Racovitza, Naturalist on 'Belgica' Antarctic Expedition (1897-99). Photographs by F Cook and Emil Racovitza.

109. ROMANIAN MARINE RESEARCH INSTITUTE
Lenin 300, RO-8700, Constantza 3
T. 40-916-43288 Tx. 14342
Access: Restricted ***Services:*** None
Holdings: Specimens, Documents
Timespan: From 1929
Area: Black Sea
Detail: Sc; Ma,b. Grigore Antipa, first Romanian Black Sea Expedition, 1893. Papers of I Borcea (1929-32) and M Celan (1931-50).

SPAIN

110. ARCHIVO HISTORICO NACIONAL
Serrano 115, 28006 Madrid
T. 261-7052 Tx. -
Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: 16th century and from 18th century
Area: Unrestricted
Detail: Dc,d; M. Isaac Peral (invertor of submarine). Federico de Botella (late 19th century) hydrographic charts of Spain and Portugal. Alsedo y Herrera Expedition, South America, (1771 etc). Maps, plans, drawings of ports, coasts, navigation routes, exploration of North and South America.

111. BIBLIOTECA NACIONAL
Paseo de Recoletos 20, 28001 Madrid
T. 275-6800 Tx. -
Access: No information ***Services:*** No information
Holdings: Documents
Timespan: No information
Area: No information
Detail: Only a few manuscripts in "Cartografía y Geografía modernas" section are relevant.

112. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: CENTRO OCEANOGRAFICO DE BALEARES
Muelle de Ponienta s/n, Apt 291, 07080 Palma de Mallorca
T. 71-401877 Tx. 69493 ieob e
Access: Restricted ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: Mediterranean Sea, Gulf of Guinea, Antarctica
Detail: Ab,c,d,f,g,h,i,j,l,m; Tc; Sa,b,c; Db,c,d,e; Ma,b,c,d.

113. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: CENTRO OCEANOGRAFÍA DE FUENGIROLA
Puerto Pesquero, Fuengirola, Malaga
T. (952) 478148 Tx. 79280 ieoa e
Access: Restricted ***Services:*** None
Holdings: Apparatus, Samples, Documents
Timespan: From 1920
Area: No information
Detail: Ab,d,f,i; Md. No other information.

114. INSTITUTO ESPAÑOL DE OCEANOGRAFÍA: LABORATORIO DE SANTANDER
Promontorio de San Martín, Apt 240, 39080 Santander
T. (42) 275033 Tx. 35998 ieos e
Access: Restricted ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1886
Area: Southern Bay of Biscay
Detail Af,i,m; Sc; Db,d; Mb,d. Prof. A Gonzales de Linares, founder and first director of the laboratory. Prof. J Rioja, second director.

115. MUSEO MARITIMO DEL CANTÁBRICO
Calle San Martín de Bajamar s/n, 39004 Santander, Cantabria
T. 942-274962 Tx. -
Access: Open ***Services:*** No information
Holdings: Apparatus, Samples, Documents
Timespan: From 1886
Area: Cantabrican coast
Detail: Md. Material relating to the earlier "Estación de Biologia Maritima", Santander.

116. MUSEO NACIONAL DE CIENCIAS NATURALES
Calle José Gutierrez Abascal 2, 28006 Madrid
T. (91) 411-1328 Tx. -
Access: Open ***Services:*** C(free) P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1775
Area: Unrestricted
Detail: Aj; Sc; Dd,e; Ma,b,c,d. 'Malaspina' Expedition (1850), photographs and drawings.

117. **MUSEO NAVAL (LIBRARY, MANUSCRIPTS SECTION)**
Montalbán 2, 28014 Madrid
T. (1) 521-0419 Tx.-

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: 18th and 19th centuries
Area: Mediterranean Sea, Atlantic Ocean, Pacific Ocean
Detail: Dc,d,e; Ma,b,c,d. Alejandro Malaspina's Expedition (1789-1794). Antonio de Córdoba's Expedition to Magellan Strait. Spanish 18th century expeditions.

SWEDEN

118. **BENGT HJELMQVIST**
Åry Herrgård, S- 36043 Aryd
T. (00946) 470-742-70 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: 1890-1954
Area: Unrestricted
Detail: Ma. Vagn Wilfrid Ekman (1874-1954) correspondence.

119. **GÖTEBORG UNIVERSITY LIBRARY (MANUSCRIPTS DEPARTMENT)**
Box 5096, S- 40222 Goteborg
T. (031) 63-17-13 Tx. 20896 ubgbg s

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: 1850-1905
Area: Unrestricted
Detail: Ma. Per Teodore Cleve (1840-1905). Otto Pettersson (1848-1941) correspondence up to 1905. Anton Stuxberg (1849-1902).

120. **INSTRUMENTFAB A B LYTH**
Helgalunden 17, S-11658 Stockholm
T. (08) 43-43-47 Tx.
124425 lythkompass s

Access: Restricted ***Services:*** None
Holdings: Apparatus, Documents
Timespan: From 1861
Area: Unrestricted
Detail: Ad, Ma,d. No other information.

121. **LANDSARKIVET**
Box 135, S- 75104 Uppsala
T. (018) 152170 Tx. -

Access: No information ***Services:*** X
Timespan: No information
Area: No information
Detail: Mb. No other information.

122. **SJÖFARTSMUSEET I GÖTEBORG**
Karl Johansgaten 1-3, S- 41459 Goteborg
T. (0) 31-61-10-00 Tx. -

Access: Restricted ***Services:*** No information
Holdings: Apparatus
Timespan: From 1920
Area: Unrestricted
Detail: Aa,b,c,d,g,h,i; Ta; Sb. Hans Pettersson. Swedish Deep Sea Expedition in 'Albatross' (1947-48). Relief map from the "Museum für Meereskunde" in Berlin, based on data from 'Meteor' Expedition (1925-27).

123. **STATENS SJÖHISTORISKA MUSEUM**
Museivagen 3, S-11527 Stockholm
T. 46(0)8-22-39-80 Tx. -

Access: Open ***Services:*** X
Holdings: Documents
Timespan: No information
Area: No information
Detail: Db,c,d; Ma,c,d. 'Vanadis' Expedition (1883). 'Vega' Expedition (1878-80), with Palander collection.

124. **SWEDISH METEOROLOGICAL AND HYDROGRAPHICAL INSTITUTE (OCEANOGRAPHICAL LABORATORY)**
PO Box 2212, S- 40314 Göteborg
T. 4631-630349 Tx. 27108 natfisn s

Access: Restricted ***Services:*** C,X
Holdings: Apparatus, Documents
Timespan: From 1864
Area: Baltic, Kattegat, Skagerrak, North Sea, Barents Sea
Detail: Ab,d,i,m; Da,c,e; Ma,b,c,d. Notes and manuscripts of Prof. Otto Pettersson and Prof. Hans Pettersson. Swedish expeditions in Baltic, North and Barents Sea. Material from Swedish Deep-Sea Expedition (circumnavigation) (1947-8). Observation log-books of meteorology and oceanography on Swedish light vessels from 1864.

SWITZERLAND

125. **MUSÉE D'HISTOIRE DES SCIENCES**
128 rue de Lausanne, CH- 1202 Genève
T. (022) 31-69-85 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 19th century
Area: Unrestricted
Detail: J D Colladon (1802-93). H Fol (1845-92).

126. **MUSÉE DU LEMAN**
Musées de la ville de Nyon, Place du Château 5, CH- 1260 Nyon
T. (022) 613881 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 19th century
Area: Lac Leman
Detail: Aa,b,c,d,e,f,h,j,k,l,m,n,o,q,r; Sc; Db,d; Ma. F A Forel, Mercanton, Plantamour, J D Colladon (1802-93).

THAILAND

127. CHULALONGKORN UNIVERSITY (MARINE SCIENCE DEPARTMENT)
Faculty of Science, Phya Thai Road, Bangkok 10500
T. 2511951 Tx. 20217 unichul th
Access: Open ***Services:*** P, X
Holdings: Documents
Timespan: From 1936
Area: Gulf of Thailand, South China Seas, Andaman Sea
Detail: Db,c,d,e,f; Ma,b,c,d.

TUNISIA

128. INSTITUT NATIONAL SCIENTIFIQUE ET TECHNIQUE D'OCÉANOGRAPHIE ET DE PÊCHE (MUSÉE)
Rue 2 Mars 1934, Salammbô 2025
T. (01) 730-420 Tx. 14739 spa tunis
Access: Restricted ***Services:*** C(free) P, M, X
Holdings: Apparatus, Documents
Timespan: No information
Area: No information
Detail: Aa,b,c,d,i,l,m; Tb; Dd,e; Ma,c,d.

UNITED KINGDOM (ENGLAND AND WALES)

129. BEDFORDSHIRE RECORD OFFICE
County Hall, Bedford, MK42 9AP
T. (0234) 228833 Tx. -
Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: 1885-1940
Area: Unrestricted
Detail: Ma. Papers of G Herbert Fowler (1861-1940).

130. BODLEIAN LIBRARY (DEPARTMENT OF WESTERN MANUSCRIPTS)
Broad Street, Oxford OX1 3BG
T. (0865) 277000 Tx. 83656
Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1630
Area: Unrestricted
Detail: De; Ma. Papers of 17th century scientists who were interested in the Mediteranean and the problem of the current in the strait of Gibraltar - Thomas Smith and John Greaves; also correspondence and papers of Sir Henry Sheeres and Richard Bolland at Tangier (Rawlinson mss); correspondence of W J Sollas, member of the Funafuti Expedition (1896). Some papers of James Rennell. Papers of Sir Alister Hardy. Archives of the British Association for the Advancement of Science. Correspondence and papers of John Wallis, 17th century astronomer who also wrote on tides.

131. BRITISH ANTARCTIC SURVEY
High Cross, Madingley Road, Cambridge, CB3 0ET
T. (0223) 61188 Tx. -
Access: Restricted ***Services:*** C, P, X
Holdings: Documents
Timespan: From 1944
Area: Southern Ocean
Detail: De; Md. Sea ice observations. Little oceanographic work was carried out before 1950.

132. BRITISH GEOLOGICAL SURVEY (LIBRARY)
Nicker Hill, Keyworth, Nottingham NG12 5GG
T. 06077-6111 x3205 Tx. 378173
Access: Open for data ***Services:*** X, P
Holdings: Documents
Timespan: From 1835
Area: British Isles
Detail: Dc,d,e; Ma,b,d. Correspondence of Sir Charles Lyell, Sir Archibald Geikie, P H Gosse, T H Huxley and others. Notebook of Edward Forbes (1844-54). Ms copy of Robert Sibbald's "Natural History of Scotland". Sea level changes. Development of marine fauna.

133. BRITISH LIBRARY (DEPARTMENT OF MANUSCRIPTS)
Great Russell Street, London WC1B 3DG
T. (01) 323-7513/4 Tx. 21462
Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Dc,d; Ma,b,c. William Dampier (Sloane mss); correspondence of James Croll, Capt. C J Phipps (Arctic voyage of 1773); Captain Cook, journal of 3rd voyage; letterbook of John Wallis (1651-1701). C Wyville Thomson's letters to Macmillan & Co (1872-1880). Jean Andre Peyssonnel's "Traite sur le corail" (1751).

134. BRITISH MUSEUM (NATURAL HISTORY) (BOTANY DEPARTMENT)
Cromwell Road, London SW7 5BD
T. (01) 938-9352 Tx. -

Access: Open ***Services:*** None
Holdings: Samples
Timespan: From 1870
Area: Unrestricted
Detail: Sa,b,c,d. Collections made on the voyages of 'Terra Nova' (1910-12), 'Discovery' (1901-4), RRS 'Discovery II' (1930-37), 'Manihine' (1949), HMS 'Challenger', HMS 'Penguin', 'Valdivia' etc.

135. BRITISH MUSEUM (NATURAL HISTORY) (ZOOLOGY DEPARTMENT)

Cromwell Road, London SW7 5BD
T. (01) 938-9296 Tx. -

Access: Restricted ***Services:*** P, M, X
Holdings: Samples, Documents
Timespan: From 1770
Area: Unrestricted
Detail: Sc; Db,c,d,e; Ma,c,d. Departmental correspondence from 1820; drawings and descriptions of marine animals by numerous travellers and scientific collectors from the voyages of Captain Cook onwards. George Busk: notes on Polyzoa; A W Alcock; F J Bell: correspondence; John Murray Expedition to the Indian Ocean (1933-34); G C Wallich: notebooks and drawings. Specimens of marine vertebrates and invertebrates from numerous expeditions and collectors, including J MacGillivray: catalogue of Radiata and Mollusca, HMS 'Rattlesnake' (1846-50); W C McIntosh: notes and drawings of Annelids; H N Moseley: journal of natural history observations, HMS 'Challenger' (1872-76); W K Parker: drawings of Foraminifera; Sir J Richardson: notebook on fishes; A W Alcock (1859-1933): 53 drawings for "A Naturalist in Indian Seas" (1902); A Garrett (1823-1887) drawings of South Sea fishes; W Garstang (1868-1949): drawings of Ascidians from the 'Terra Nova' Expedition (1910); G E Barrett-Hamilton (1871-1914): journal of his journey to South Georgia, 1913-4, to study whales; S F Harmer (1862-1950): original drawings, mss bibliography of the Polyzoa; E Heron-Allen (1861-1943) drawings of Foraminifera; W Livingstone Learmonth: journals of Arctic cruises, 1888 and 1889.

136. BRITISH MUSEUM (NATURAL HISTORY) (GENERAL LIBRARY)

Cromwell Road, London SW7 5BD
T. (01) 938-9191 Tx. 01929437 nhpubs g

Access: Restricted ***Services:*** C(part) P, X
Holdings: Documents
Timespan: From 1768
Area: Unrestricted
Detail: Db,c,d,e; Ma,b,c,d. Photographs taken on the voyage of HMS 'Challenger' (1872-6). Papers of A C L G Gunther (1850-1914). Correspondence, 1826-1911, to and from Joshua Alder and A M Norman; C W Andrews, Christmas Island notebooks (1897-98); logbooks of the 'Discovery' (1901-4); notebooks of Edward Forbes; G C Wallich's notes and drawings from soundings in HMS 'Bulldog' (1860).

137. BRITISH MUSEUM (NATURAL HISTORY) (DEPARTMENTS OF LIBRARY SERVICES, MINERALOGY AND PALAEONTOLOGY)

Cromwell Road, London SW7 5BD
T. (1) 938-9123 Tx. 0129437 nhpubs g

Access: Restricted ***Services:*** C(part), P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1830
Area: Unrestricted
Detail: Ac,h,m; Sa,b; Db,c,d,e; Ma,b,d. Logbooks and diaries kept by scientists on the 'Challenger' Expedition (1872-6); library, manuscripts and sediments collection of Sir John Murray; material collected by RRS 'Discovery' and RRS 'Discovery II' (1925-29). Rocks and sediments from the 'Terra Nova' (1910-12) and other expeditions. Lists of soundings from 'Dacia' (1883), 'Egeria' (1887-88), 'Flying Fish' (1887), HMCS 'Iris' (1912), 'Knight Errant' (1880), 'HMS 'Penguin' (1896), HMS 'Porcupine' (1869-70), HMS 'Rambler' (c1905), HMS 'Sealark' (1905), USS 'Tuscarora' (1873-78) and others. Challenger Office letterbooks. Notes of H B Guppy on the Solomon Islands and ocean soundings. Autograph diary of John Rattray, SS 'Buccaneer' (1885-86).

138. BRUCE CASTLE MUSEUM

Lordship Lane, London N 17 8NU
T. (01) 808-8772 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: 1864-1950
Area: No information
Detail: Dd; Md. Business archives of R W Monro Ltd, instrument makers.

139. CAMBRIDGE UNIVERSITY LIBRARY (MANUSCRIPTS DEPARTMENT)

West Road, Cambridge CB3 9DR
T. (0223) 337733 Tx. 81395

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1661
Area: Unrestricted
Detail: Ma. Correspondence and papers of Sir Isaac Newton (1661-1725); notebooks and correspondence of W H Wollaston; papers of Sir William Thomson (Lord Kelvin); Charles Darwin; James Hornell and George Parker Bidder (marine biology); P H Gosse.

140. CAMBRIDGE UNIVERSITY, TRINITY COLLEGE LIBRARY

Trinity College, Cambridge CB2 1TQ
T (0223) 338488 Tx. -

Access: Open ***Services:*** P, X
Holdings: Documents
Timespan: 1817-1853
Area: Mainly Atlantic Ocean and North Sea
Detail: Ma. Correspondence and papers of William Whewell who worked on the theory and observation of tides during the 1830s and 1840s.

141. CHELTENHAM PUBLIC LIBRARY
Clarence Street, Cheltenham,
Gloucester GL50 3JT
T. (0242) 582269 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: 1862-1866
Area: UK and India
Detail: Ma. Some papers of Francis Day, ichthyologist, including a natural history journal of Jonathan Couch, 2 volumes, 1862-66, 1 volume of letters and papers on the fishes of Malabar, 2 volumes of correspondence, press cuttings etc.

142. CHRISTS COLLEGE
Cambridge, CB2 3BU
T. (0223) 334900 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: 1872-76
Area: Circumnavigation track of HMS 'Challenger'
Detail: Db. Photograph albums of the 'Challenger' Expedition collected by J Y Buchanan, (1872-76).

143. CHURCHILL ARCHIVES CENTRE
Churchill College, Storeys Way, Cambridge CB3 0DS
T. (0223) 336078 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1915
Area: No information
Detail: Ma. Scientific and personal papers of Sir Edward Crisp Bullard.

144. CORNWALL COUNTY RECORD OFFICE
County Hall, Truro TR1 3AY
T. (0872) 74282 x3127 Tx. -

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1889
Area: Local
Detail: Ma,b. Sea Fisheries Committee, minutes and papers. Local fishing records and merchant fishing records over a longer period.

145. FOREIGN AND COMMONWEALTH LIBRARY
Cornwall House, Stamford Street, London SE1 9NS
T. (01) 211-0117 Tx. -

Access: Open ***Services:*** X
Holdings: Documents
Timespan: 19th and 20th centuries
Area: Former UK colonies and Dependencies
Detail: Mb. Some unpublished reports on fisheries in former British colonies and dependent territories.

146. HACKNEY ARCHIVES DEPARTMENT
Rose Lipman Library, De Beauvoir Road, London N1 5SQ
T. (01) 241-2886 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1860
Area: No information
Detail: M. Records of C F Casella & Co, c1860-1960, instrument makers.

147. THE HANCOCK MUSEUM
The University, Newcastle upon Tyne, NE2 4PT
T. (091) 232-2359 Tx. -

Access: Restricted ***Services:*** C, P, X
Holdings: Samples, Documents
Timespan: From 1830
Area: Mainly North Sea and British Isles
Detail: Sb,c; Dc,d,e; Ma. Marine biology. Joshua Alder: collections of marine Algae, Hydrozoa, Crustacea, Mollusca (esp nudibranchs), manuscripts; George French Angas; George Barlee; George Stewardson Brady; Hugh Canning; Albany Hancock; George Hodge; M V Lebour; A M Norman; HMS 'Porcupine'.

148. HORNIMAN MUSEUM AND LIBRARY
London Road, Forest Hill, London SE23 3PQ
T. (01) 699-1872 Tx. -

Access: Open ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1875
Area: No information
Detail: Sc; Dd. J Morgan: collection of corals, Australian coast 1903. Prout Newcombe: collection of sponges, corals, echinoderms, molluscs and crustaceans. Sketches of sea anemonies and corals by P H Gosse, 1839-61, and others.

149. HULL CITY RECORD OFFICE
79 Lowgate, Kingston upon Hull, HU1 2AA
T. (0482) 222015 Tx. -

Access: Open ***Service:*** P, M, X
Holdings: Documents
Timespan: From 1850
Area: Humber estuary, North Sea, N W Europe
Detail: D; M. Records of the Humber Conservancy from 1850 onwards. Company records of trawling owners, including catch data.

150. IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE (ARCHIVES)
South Kensington, London SW7 2AZ
T. (01) 589-5111 x2039 Tx. -

Access: Restricted ***Services:*** C
Holdings: Documents
Timespan: 1846-1895

Area: Unrestricted

Detail: Dc,d,e; Ma,b,c. Papers of T H Huxley, including his diaries and sketches of marine life from the voyage of HMS 'Rattlesnake' (1846-50) and his notes on deep sea soundings from the 1850-60s, scientific correspondence and papers, including items on the marine stations at Naples and Plymouth, and on fisheries questions. Letters of Edward Forbes to Sir A C Ramsay and T H Huxley, 1844-54.

151. INDIA OFFICE LIBRARY AND RECORDS
Orbit House, 197 Blackfriars Road, London SE1 8NG
T. (01) 928-9531 Tx. 21462 blref g

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Atlantic, Indian Ocean, Persian Gulf
Detail: Dc,d; Ma,b,d. Records of East India Company voyages between London and Asian ports.

152. INSTITUTE OF OCEANOGRAPHIC SCIENCES, DEACON LABORATORY
Wormley, Godalming, Surrey GU8 5UB
T. (042 879) 4141 Tx. 858833

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: Unrestricted
Detail: A; Sa,c; Db,c,d,e; Ma,b,c,d. Papers, still photography, and movie film relating to the work of the 'Discovery' Committee in the Southern Ocean from 1925-39 with the RRS 'Discovery', RRS 'Discovery II', RRS 'William Scoresby'. 'Discovery' collections of biological specimens. NIO collections. Papers of Sir George Deacon. Archives of the Challenger Society from 1903. Standard seawater samples from 1900.

153. INSTITUTION OF CIVIL ENGINEERS
1-7 Great George Street, London SW1P 3AA
T. (01) 222-7722 Tx. -

Access: Restricted ***Services:*** C, P, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Db,d; Ma,d. Wave measurements. Portraits.

154. ISLE OF WIGHT COUNTY RECORD OFFICE
26 Hillside, Newport, Isle of Wight PO30 2EB
T. (0983) 821000 x3820 Tx. -

Access: Open ***Services:*** X
Holdings: Documents
Timespan: 1870-1913
Area: No information
Detail: Ma. Small collection of papers of John Milne, seismologist.

155. LANCASHIRE RECORD OFFICE
Bow Lane, Preston, Lancashire PR1 2RE
T. (0772) 54868 x3028 Tx. -

Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1891
Area: Irish Sea
Detail: Dc,e; M. Records of the Lancashire and Western Sea Fisheries Joint Committee, from 1891.

156. LINNEAN SOCIETY OF LONDON (LIBRARY)
Burlington House, Piccadilly, London W1V 0LQ
T. (01) 434-4479 Tx. -

Access: Restricted ***Services:*** X
Holdings: Samples, Documents
Timespan: From 1740
Area: Unrestricted
Detail: Db,c,d; Ma,b,c,d. Papers and correspondence of John Ellis, J Couch, J Day Stackhouse, G Montagu, and others.

157. LIVERPOOL RECORD OFFICE
William Brown Street, Liverpool L3 8EW
T. (051) 207-2147 x34 Tx. 629500

Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: 1768-1793
Area: Liverpool
Detail: D. Observations of tides and weather made by William Hutchinson (1715-1801), Dock Master at Liverpool betwen 1768 and 1793.

158. MAGDALENE COLLEGE (THE PEPYS LIBRARY)
Cambridge, CB3 0AG
T. (0223) 332100 Tx. -

Access: Restricted ***Services:*** C, P, M
Holdings: Documents
Timespan: 1600-1703
Area: Unrestricted
Detail: Dc,d; M. Papers of Samuel Pepys, including Sir Henry Sheeres' manuscript on currents in the Strait of Gibraltar, 1675. Richard Bolland's "Mediterranean Journall" containing chart of the Strait of Gibraltar with observations on tides and currents, 1676.

159. MANCHESTER MUSEUM (ZOOLOGY DEPARTMENT)
The University, Manchester M13 9PL
T. (061) 275-2666 Tx. -

Access: Restricted ***Services:*** No information
Holdings: Samples, Documents
Timespan: 1870-1920
Area: Atlantic Ocean, Mediterranean Sea
Detail: Sc; Ma,d. Mollusca specimens from HMS 'Challenger' (1872-76) and the Scottish National Antarctic Expedition (1902-04). Waters collection of Bryozoa. Halkyard and Sidebottom collections of Foraminifera.

160. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD (FISHERIES LABORATORY)
Conwy, LL 32 8UB
T. (0492) 593883 Tx. via 97470 fshlow g

Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: From 1913
Area: Local waters
Detail: Db,d,e; Ma,b,d. Work on mussel purification, oyster and algal culture trials.

161. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD (FISHERIES LABORATORY)
Lowestoft, Suffolk, NR33 0HT
T. (0502) 562244 Tx. 97470 fshlow g

Access: Restricted ***Services:*** X
Holdings: Apparatus, Documents
Timespan: From 1920
Area: North Sea and UK waters
Detail: Ac; De. Mimeographed reports of cruises of laboratory research vessels (in library). Current meter records obtained by Dr J N Carruthers in 1920s and 1930s. Some reversing thermometers.

162. MINISTRY OF DEFENCE (HYDROGRAPHIC DEPARTMENT)
Taunton, TA1 2DN
T. 0823-337900 Tx. -

Access: Restricted ***Services:*** C, X
Holdings: Documents
Timespan: From 1791
Area: Unrestricted
Detail: Db,c,d,e; Ma,b,c,d. Charts, logbooks, correspondence and papers of Admiralty surveyors. These include observations of tides and tidal streams, eg Graeme Spence: Tides of the Scilly Islands (1792); Captain W Hewett: observations in the North Sea (1840). Deep sea soundings, current, and temperature measurements. Individual items include: sounding books of HMS 'Challenger' (1872-6) with temperature observations and remark books; Captain Calver's journals of cruises of HMS 'Porcupine' (1869 and 1870); T H Tizard's narrative of deep-sea exploration of the Faroe Channel in HMS 'Triton' (1882); W L Wharton's current observations in the Dardanelles and Bosphorus (1872); T A B Spratt's Mediterranean correspondence (1844-63); correspondence relating to G H Fowler's voyages in HMS 'Research' (1896, 1897, 1900) and to his initiative regarding the role of oceanographic work in the Hydrographic Department, 1918-21.

163. THE NATIONAL LIBRARY OF WALES
Aberystwyth, Dyfed, SY23 3BU
T. (0970) 623816 Tx. 35165 lgcnlw g

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Db,c,d; Ma. Papers of shipbuilders, merchants and naval officers.

164. NATIONAL MARITIME MUSEUM
Greenwich, London SE10 9NF
T. (01) 858-4422 Tx. -

Access: Open ***Services:*** C, P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: No information
Area: Unrestricted
Detail: Ab,c,d,i; Sb; Db,c,d,e; Ma,b,c. 1840's Biot waterbottle. STC archive (includes submarine telegraphy). Papers of T H Tizard (navigating Lt on HMS 'Challenger' 1872-6). Journal of John Hynes, Paymaster on HMS 'Challenger', (1873-4). Some whaling logs and meteorological journals. Papers relating to Royal Navy 19th century exploration. Photograph albums from 'Challenger' Expedition (1872-76). A C Hardy's watercolours of marine life from the 'Discovery' Expedition (1925-27). Admiralty collection of ships' plans. 'Sir James Caird', small boat in which Shackleton sailed from Elephant Island to South Georgia in 1915.

165. NATIONAL METEOROLOGICAL ARCHIVE
Eastern Road, Bracknell, Berkshire RG12 2UR
T. (0344) 420242 x2521 Tx. 849801

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Da, c; Mb. Over 100 000 volumes of ships' weather logs held, from mid-19th century onwards.

166. NATIONAL MUSEUMS AND GALLERIES ON MERSEYSIDE, LIVERPOOL MUSEUM
William Brown Street, Liverpool L3 8EN
T. (051) 207-0001 Tx. -

Access: Restricted ***Services:*** X, P
Holdings: Apparatus, Samples, Documents
Timespan: From 1778
Area: Unrestricted
Detail: Ab,d,f,q; Sb,c; Db,c,d,e; Ma. Maritime archives connected with the port of Liverpool and BICC plc archive (submarine cables). Models of cable-laying vessels 'Great Eastern' (1888) and 'Fee Cheu' (1887). Oceanographic apparatus including items from the former Liverpool Tidal Institute (now Proudman Oceanographic Laboratory) with some papers of A T Doodson. William Waddington's diatom collection; seaweeds of the Irish Sea. Invertebrate zoology: James Johnstone's fish pathology collection (early 20th century). 'Argo' Expedition to the West Indies (1876) specimens and manuscripts. Collecting diaries c1870 to 1910. Vertebrate zoology: collection of seabird cabinet skins. Collections from HMS 'Challenger' (1872-76).

167. OXFORD UNIVERSITY MUSEUM (GEOLOGICAL COLLECTIONS)
Parks Road, Oxford OX1 3PW
T. (0865) 272950 Tx. -

Access: Restricted ***Services:*** None
Holdings: Samples
Timespan: 1872-76

Area: Circumnavigation track of HMS 'Challenger' (1872-76).
Detail: Sb. Geological samples from the voyage of HMS 'Challenger' (1872-76).

166. OXFORD UNIVERSITY MUSEUM (ZOOLOGICAL COLLECTIONS)

Parks Road, Oxford OX1 3PW
T. (0865) 272950 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Samples, Documents
Timespan: From 1830
Area: Unrestricted
Detail: Sc; Ma. Indo-Pacific specimens from the voyage of HMS 'Challenger' (1872-76); Transit of Venus Expedition (1874); Material collected by Charles Darwin on the voyage of HMS 'Beagle'. Discovery Committee plankton samples, c1927-31.

169. OXFORD UNIVERSITY, PITT-RIVERS MUSEUM

South Parks Road, OX1 3PP
T. (0865) 270927 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Samples, Documents
Timespan: From 1800
Area: Unrestricted
Detail: Db; M. Anthropological and ethnographical material, including photographs, collected by survey ships in the 19th century, including HMSS 'Challenger', 'Alert', 'Flying Fish', 'Penguin', 'Dart', mainly from Pacific Ocean.

170. OXFORD UNIVERSITY (ZOOLOGICAL DEPARTMENT)

South Parks Road, Oxford OX1 3PS
T. (0865) 271142 Tx. -

Access: Restricted ***Services:*** Limited
Holdings: Documents
Timespan: 1872-76
Area: No information
Detail: Volume of 'Challenger' Expedition (1872-76) photographs.

171. PLYMOUTH MARINE LABORATORY (LIBRARY AND INFORMATION SERVICES)

Citadel Hill, Plymouth PL1 2PB
T. (0752) 222772 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1870
Area: Mainly British waters
Detail: A; Sc; Da,b,c,d,e; Ma,b,c,d. Archives of the Marine Biological Association of the UK (founded 1884) including correspondence and papers of E J Allen, G P Bidder, E T Browne. Diaries or notebooks of J T Cunningham, L R Crawshay and Walter Garstang.

172. PROUDMAN OCEANOGRAPHIC LABORATORY

Bidston Observatory, Birkenhead, Merseyside L43 7RA
T. (051) 653-8633 Tx. 628591 oceanb g

Access: Restricted ***Services:*** X
Holdings: Apparatus, Documents
Timespan: From 1867
Area: Liverpool coast
Detail: Af; D. Meteorological observations, observatory day-books. Doodson-Lege tidal prediction machine.

173. PUBLIC RECORD OFFICE

Ruskin Avenue,Kew, Richmond, Surrey TW9 4DU
T. (01) 876-3444 Tx. -

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: Db,c,d,e; Mb. Naval records, including ship's log-books, charts, journals, surveys and papers relating to Admiralty expeditions. Records of the Royal Navy Scientific Service, Admiralty Research Laboratory, Water Pollution Research Board, Kew Observatory, Colonial Office, International Whaling Commission, Ministry of Agriculture and Fisheries, Marine Department of the Board of Trade, Development Commission. Papers of Sir Edward Sabine, A B Wood.

174. ROYAL ALBERT MEMORIAL MUSEUM

Queen Street, Exeter, Devon EX4 3RX
T. (0392) 265858 Tx. -

Access: Restricted ***Services:*** C(part)
Holdings: Samples
Timespan: From 1800
Area: Unrestricted
Detail: Sc. Echinoderms: Sladen collection (including 'Challenger' material) 5800 specimens. Type material. Foraminifera: Carpenter collection (7000 microscope preparations). Type material. Mollusca: Type material. Montagu and general collections (about 38 000 specimens).

175. ROYAL BOTANIC GARDENS (KEW LIBRARY AND ARCHIVES DIVISION)

Kew, Richmond, Surrey TW9 3EA
T. (01) 940-1171 Tx. 296694

Access: Restricted ***Services:*** X, M, P
Holdings: Documents
Timespan: 1872-76
Area: Unrestricted
Detail: D; M. Voyage of HMS 'Challenger' (1872-76), letters etc. (i) Documents relating to the organisation of the expedition. (ii) Letters written during the expedition. (iii)" Climate of Kerguelen" by Nares. (iv) Documents relating to the period after the expedition. (v) Documents relating to the botanical collections. Journal kept in HMS 'Herald' (1847-51) by Berthold Carl Seeman (botanist) with papers and correspondence.

176. ROYAL GEOGRAPHICAL SOCIETY (ARCHIVES)
1 Kensington Gore, London SW7 2AR
T. (01) 589-5466 Tx. 933669 rgsldn g

Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1830
Area: Unrestricted
Detail: Db,c,d; Ma,c,d. Journals of the voyage of HMS 'Challenger' (1872-76) kept by Lt Pelham Aldrich, Lt Andrew Balfour and Chief Paymaster R R A Richards. Papers of H R Mill (1884-1944). Logs and other papers relating to the British National Antarctic Expedition, (SS 'Discovery')(1901-4). Society archives include correspondence from Sir John Murray, Vaughan Cornish, Fridtjof Nansen, Sir Charles Lyell and others. Index map to James Rennell's Atlantic Current Charts. Journals of Sir Clements Markham in HMS 'Alert' and HMS 'Valorous' (Arctic Expedition of 1875) with notes on deep sea sounding and apparatus developed in the years 1840-73.

177. ROYAL GEOGRAPHICAL SOCIETY (MAP ROOM)
1 Kensington Gore, London SW7 2AR
T. (01) 589-5466 Tx. 933669 rgsldn g

Access: Open ***Services***: X, P
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: D. Extensive collection of maps and charts, particularly 19th century, covering all aspects of the world's oceans, including oceanographic, geophysical and meteorological items. Mostly printed but includes some manuscript items such as an undated diagram of currents in the Behring Straits.

178. ROYAL GREENWICH OBSERVATORY (ARCHIVES)
Herstmonceux Castle, Hailsham, East Sussex BN27 1RP. * Moving to Cambridge in 1989-90; archives likely to go to Cambridge University Library*
T. (0323) 833171 Tx. 87451 rgobsy g

Access: Open ***Services:*** C(free), P, M, X
Holdings: Documents
Timespan: From 1675
Area: Unrestricted
Detail: Dc,d; Ma,b,c,d. Records of oceanographic interest exist in the Observatory's own archive and in the Board of Longitude papers (18th century voyages), G B Airy (19th century tidal data), William Christie, Frank Dyson and Harold Spencer Jones. Log of William Wales, astronomer on Cook's second voyage.

179. THE ROYAL INSTITUTION (LIBRARY)
21 Albemarle Street, London W1X 4BS
T. (01) 409-2992 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 1800
Area: Unrestricted
Detail: Am; Dc,d,e; Ma,c,d. Atlantic cable; Michael Faraday; John Davy notebooks.

180. ROYAL INSTITUTION OF CORNWALL
County Museum and Art Gallery, River Street, Truro, Cornwall TR1 2SJ
T. (0872) 72205 Tx. -

Access: Open ***Services:*** X
Holdings: Documents
Timespan: 19th century
Area: Local
Detail: Db,d. Pilchard fishing industry in Cornwall (ship models, equipment, photographs etc). Notes on natural history and watercolours of British fishes by Jonathan Couch.

181. THE ROYAL SOCIETY
6 Carlton House Terrace, London SW1Y 5AG
T. (01) 839-5561 Tx. 917876

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1660
Area: Unrestricted
Detail: Db,c,d,e; Ma,b,c,d. The Society's archives contain correspondence and papers on marine research from the mid-17th century to the 20th century; Robert Hooke, Robert Boyle, Sir Robert Moray, tidal observations and theories communicated to the Society in the 19th century. The Society was instrumental in the organisation of the 'Challenger' Expedition (1872-76) and in the publication of its results. It administers the Murray Bequest which in 1933-34 financed the John Murray Expedition to the Indian Ocean in 'Mahabiss' and supported other marine investigations including coral reef studies of the late 19th to early 20th centuries. Correspondence of Sir John William Lubbock.

182. SCIENCE MUSEUM (DEPARTMENT OF PHYSICAL SCIENCES)
Exhibition Road, South Kensington, London SW7 2DD
T. (01) 938-8000 Tx. 21200 scmlib g

Access: Restricted ***Services:*** C(free), P, M, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1810
Area: Unrestricted
Detail: Aa,b,c,d,f,g,m,p,q; Sb; De.

183. SCIENCE MUSEUM LIBRARY
South Kensington, London SW7 5NH
T. (01) 938-8234 Tx. 21200 scmlib g

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Db; M. Engineers reports on submarine telegraph cables in the Atlantic, 1900-1904, and Pacific, 1901-1921, including a description of SS 'Britannia". William Whewell (1794-1866), one letter on tidal observations.

184. SCOTT POLAR RESEARCH INSTITUTE
University of Cambridge, Lensfield Road, Cambridge CB2 1ER
T. (0223) 336540 Tx. -
Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1900
Area: Mainly Arctic Ocean and Southern Ocean
Detail: Db,c,d,e; Ma,b,c,d. Manuscripts relating to Arctic and Antarctic exploration. Papers of H R Mill and W S Bruce. Records of the Discovery Committee which carried out whaling research in the inter-war period.

185. SOUTH HUMBERSIDE AREA RECORD OFFICE
Town Hall Square, Grimsby, South Humberside DN33 3LH
T. (0472) 353481 Tx. -
Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 1894
Area: Grimsby fishing grounds: (North Atlantic, Barents Sea, White Sea)
Detail: Ma. Grimsby trawler owners'company records.

186. TORQUAY MUSEUM
529 Babbacombe Road, Torquay TQ1 1HG
T. (0803)23975 Tx. -
Access: Restricted ***Services:*** C
Holdings: Samples, Documents
Timespan: 1879-1906
Area: South Devon coast of the English Channel
Detail: Sb; D. Rocks from the English Channel, some collected by A R Hunt from material dredged by trawlers and published by him between 1879 and 1898; others from dredgings made by the Marine Biological Association, 1895-1906, and described by R H Worth FGS. Thin sections.

187. UNIVERSITY COLLEGE LONDON (MANUSCRIPTS DEPARTMENT)
The Library, University College London, Gower Street, London WC1E 6BT
T. (01) 387-7050 x2617 Tx. -
Access: Restricted ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1826
Area: Unrestricted
Detail: Md. G Herbert Fowler's period in the Department of Zoology, 1891-1909. Archives of "The Society for the Diffusion of Useful Knowledge", which encouraged research on tides, 1826-48.

188. UNIVERSITY COLLEGE LONDON (MUSEUM OF ZOOLOGY AND COMPARATIVE ANATOMY)
Biology Department, Medawar Building, University College London, Gower Street, London WC1E 6BT
T. (01) 387-7050 Tx. -
Access: Restricted ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1828
Area: No information
Detail: Sc. R E Grant, Porifera spicules; E Ray Lankester, Limulus material; HMS 'Challenger' material; collections by E A Frazer and T A Stephenson on the Great Barrier Reef Expedition, 1928.

189. UNIVERSITY OF EXETER (DEPARTMENT OF BIOLOGICAL SCIENCES)
Hatherley Laboratories, Prince of Wales Road, Exeter EX4 4PS
T. (0392) 263789 Tx. 42894 exuniv g
Access: Open ***Services:*** X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: D; M. Documentation on all Echinodermata from all oceans.

190 UNIVERSITY OF LEEDS
Leeds, LS2 9JT
T. (0532) 431571 Tx. 556473 unilds g
Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: From 1908
Area: North Sea coast of Britain
Detail: University Archive holds correspondence etc relating to property in Robin Hood's Bay and Whitby, formerly used as university field stations and as the site of the Wellcome Marine Laboratory (1967-82). The unpublished station list is held in the Department of Pure and Applied Biology.

191. UNIVERSITY OF LIVERPOOL (ARCHIVES)
Senate House, Abercromby Square, PO Box 147, Liverpool L69 3BX
T. (051) 794-2000 Tx. 627095 unilpl g
Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: From 1880
Area: No information
Detail: Ab,c; M. Manuscripts relating to Proudman Oceanographic Laboratory; Department of Oceanography; Marine Biological Station, Port Erin, Isle of Man. Notes on lectures by Professor J Proudman.

192. UNIVERSITY OF SOUTHAMPTON LIBRARY (HARTLEY LIBRARY AND ARCHIVES)
Highfield, Southampton, SO9 5NH
T. (0703) 559122 Tx. -

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Dc; Ma,b. Naval log-books; papers of Prince Louis of Battenberg and Earl Mountbatten of Burma. Journal of William Mogg's Arctic voyages, 1821-25.

193. WELLCOME INSTITUTE FOR THE HISTORY OF MEDICINE (DEPARTMENT OF WESTERN MANUSCRIPTS)
183 Euston Road, London NW1 2BP
T. (01) 387-4477 Tx. -

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Dc,d,e; Ma,c. E M Holmes, papers, including correspondence on marine algae; D G Lillie, marine biologist, 'Terra Nova' Expedition (1910-12) papers; G C Wallich, papers, mainly on marine biology; R N Rudmose-Brown, account of the Scottish National Antarctic Expedition (1902-04); Georges Claude.

194. WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, WHITBY MUSEUM
Pannett Park, Chubb Hill, Whitby, Yorkshire YO21 1RE
T. (0947) 602908 Tx. -

Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: No information
Area: Arctic Ocean
Detail: Dc; M. Papers of William Scoresby the Elder and William Scoresby the Younger.

UNITED KINGDOM (ISLE OF MAN AND NORTHERN IRELAND)

195. DEPARTMENT OF AGRICULTURE FOR NORTHERN IRELAND, FISHERIES RESEARCH LABORATORY
38 Castleroe Road, Coleraine
T. (0265) 44521 Tx. -

Access: Restricted ***Services:*** X
Holdings: Samples, Documents
Timespan: 20th century
Area: North Atlantic and Irish Sea
Detail: D. Cruise reports and data for MAFF and DAFF vessels, and charter work. Little before 1950.

196. MANX MUSEUM
Douglas, Isle of Man
T. (0624) 75522 Tx. -

Acess: Open ***Services:*** None
Holdings: Apparatus, Samples, Documents
Timespan: From 1840
Area: Isle of Man, Irish Sea
Detail: Al; Sb,c,d; Ma. Personal and family papers, and some sketches by Edward Forbes including two watercolours of Mediterranean fish. Specimens collected by local fishermen, with a few from the Marine Biological Station, Port Erin.

198. PUBLIC RECORD OFFICE OF NORTHERN IRELAND
66 Balmoral Avenue, Belfast BT9 6UY
T. (0232) 661621 Tx. -

Access: Open ***Services:*** No information
Holdings: Documents
Timespan: From 1831
Area: Ireland's coastal waters
Detail: Mb. Hydrographic charts of the East and West coasts of Ireland. Journal of Richard Brydges Beechey in HMS 'Blossom' (1825-28).

199. ULSTER MUSEUM
Botanic Gardens, Belfast, BT9 5AB
T. (0232) 381251 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: Late 19th century
Area: Local waters
Detail: Papers on zoophytes by C Wyville Thomson. Papers of the Belfast Dredging Committee

200. UNIVERSITY OF LIVERPOOL (DEPARTMENT OF MARINE BIOLOGY)
Port Erin, Isle of Man
T. (0624) 832027 Tx. -

Access: Restricted ***Services:*** C, X
Holdings: Documents
Timespan: From 1902
Area: Irish Sea
Detail: D. Sea surface temperature data.

UNITED KINGDOM (SCOTLAND)

201. DEPARTMENT OF AGRICULTURE AND FISHERIES FOR SCOTLAND
Marine Laboratory, PO Box 101, Victoria Road, Aberdeen AB9 8DB
T. (0224) 876544 Tx. 73587 marlab g

Access: Restricted ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1880
Area: North-east Atlantic

Detail: A; Sc; Db,d,e,f; Mb,c,d. Papers relating to Scottish fisheries research, in particular the work of the Fishery Board for Scotland, 1882-1939, and the Scottish Home Department's Fisheries Division, 1939-50. T W Fulton, A Bowman, R S Clark are among individuals represented; cruises of 'Garland', 'Goldseeker', 'Explorer', 'Scotia' and other research vessels also represented.

202. DUNDEE UNIVERSITY (ARCHIVES AND MANUSCRIPTS DEPARTMENT)

University Library, Dundee DD1 4HN
T. (0382) 23181 Tx. -

Access: Open ***Services:*** P, X
Holdings: Documents
Timespan: 1828-1914
Area: No information
Detail: Db; Ma,b. Sir D'Arcy Wentworth Thompson: some papers and photographs relating to his work in the Department of Natural History, University College, c1884-1914. Some papers relating to the whaling industry in the 19th century.

203. ELGIN MUSEUM

1 High Street, Elgin, Morayshire IV30 1WQ
T. (0343) 3675 Tx. -

Access: Restricted ***Services:*** X
Holdings: Samples, Documents
Timespan: 1832-1893
Area: Northeast Scotland
Detail: Sc; Ma. Correspondence of Dr George Gordon, Minister of Birnie, with A M Norman, J Gwyn Jeffreys, D'Arcy W Thompson, John Murray and others. Fossil fish collections.

204. GLASGOW UNIVERSITY (ARCHIVES)

Glasgow G12 8QQ
T. (041) 330-5516 Tx. 777070 unigla g

Access: Open ***Services:*** X
Holdings: Documents
Timespan: Unrestricted
Area: Unrestricted
Detail: Db; Ma. Papers of Sir John Graham Kerr, including items relating to the Millport Marine Station (Firth of Clyde). Negatives from the Scottish National Antarctic Expedition (1902-04) in 'Scotia'.

205. GLASGOW UNIVERSITY (DEPARTMENT OF NATURAL PHILOSOPHY)

Glasgow G12 8QQ
T. (041) 339-8855 x5531 Tx. 777070 unigla g

Access: Restricted ***Services:*** None
Holdings: Apparatus
Timespan: 19th century
Detail: Aa,f. Sounding apparatus, tide gauge, and tidal analyser (1878), and other apparatus developed by Lord Kelvin.

206. GLASGOW UNIVERSITY (LIBRARY)

Hillhead Street, Glasgow G12 8QE
T. (041) 339-8855 x5634 Tx. 777070 unigla g

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: No information
Area: No information
Detail: Ma. Papers of Sir William Thomson (Lord Kelvin).

207. NATIONAL LIBRARY OF SCOTLAND (DEPARTMENT OF MANUSCRIPTS)

George IV Bridge, Edinburgh EH1 1EW
T. (031) 226-4531 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Samples, Documents
Timespan: From 1762
Area: Unrestricted
Detail: Db,c,d,e; Sc; Ma,b,c. Correspondence and papers of H and H M Cadell (1849-1930); Sir James M Wordie (1845-1959); N A Mackintosh (1924-54); F N Woodward (1919-85), including alginates; Alexander Dalrymple (1762-1807); T S Traill (1818-59); Sir John Murray (1882-1903); William Scoresby (1818-59); Edward Forbes (1841-54); Fridtjof Nansen (1892-1907). Plans of marine engineering works by the Stevenson family, 19th and 20th centuries. Business records and correspondence of John Bartholomew & Son, cartographers, from 1888.

208. NATIONAL LIBRARY OF SCOTLAND (DEPARTMENT OF PRINTED BOOKS)

George IV Bridge, Edinburgh EH1 1EW
T. (031) 226-4531 Tx. 72638 nlsedi g

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: No information
Area: Arctic and Antarctic
Detail: Db. Photographs of whaling, mainly in Antarctica, in the Sir James Wordie collection.

209. NATIONAL MUSEUMS OF SCOTLAND, ROYAL MUSEUM OF SCOTLAND

Chambers Street, Edinburgh EH1 1JF
T. (031) 225-7534 Tx. -

Access: Restricted ***Services:*** C(part), P, X
Holdings: Apparatus, Samples, Documents
Timespan: 19th and 20th centuries
Area: Mainly North Sea and Polar regions
Detail: Aa,b,c,d,g,p; Tb; Sb,c; Db,c,d,e; Ma,c,d. Scottish National Antarctic Expedition (1902-04) and Scottish Oceanographical laboratory of William Spiers Bruce. HMS 'Challenger' (1872-76) photographs. Mollusca collected by Edward Forbes in the Aegean, by various survey ships, and by the Fishery Board for Scotland, 1901-20 and 1922-35.

210. NORTHEAST OF SCOTLAND MUSEUM SERVICE, ARBUTHNOT MUSEUM
St Peter Street, Peterhead, Aberdeenshire AB4 6QE
T. (0779) 77778 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: 18th to 20th centuries
Area: Arctic, Antarctic, Davis Strait
Detail: Dc; Ma. The museum holds items brought back by whalers, and whaling log-books.

211. ROYAL RESEARCH SHIP 'DISCOVERY'
Victoria Dock, Dundee
T. (0382) 201175 Tx. -

Access: Open ***Services:*** None
Holdings: Apparatus
Timespan: From 1901
Area: Antarctic waters
Detail: Am; Ta. Built for Scott's Antarctic Expedition (1901-04). Adapted in 1924 for oceanographic research in the South Atlantic, 1925-27. Further Antarctic voyages for BANZARE Expedition (1928-30). In process of restoration.

212. ROYAL SCOTTISH GEOGRAPHICAL SOCIETY
10 Randolph Crescent, Edinburgh EH3 7TU
T. (031) 225-3330 Tx. -

Access: Open ***Services:*** None
Holdings: Documents
Timespan: c1902-04
Area: Unrestricted
Detail: Db; M. Material relating to W S Bruce and the voyage of 'Scotia' (1902-04); possibly slides; flag.

213. THE ROYAL SOCIETY OF EDINBURGH
22-24 George Street, Edinburgh EH2 2PQ
T. (031) 225-6057 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1800
Area: Unrestricted
Detail: Db,c; Ma,d. Correspondence on deep-sea deposits of the Atlantic Ocean by Sir John Murray and James Chumley. Film of whaling in the Faeroes.

214. SCOTTISH FISHERIES MUSEUM TRUST LTD
Harbourhead, Anstruther, Fife KY10 3AB
T. (0333) 310628 Tx. -

Access: Open ***Services:*** P
Holdings: Samples
Timespan: 1884-1899
Area: North Sea and English Channel
Detail: Sc. A few fish specimens collected by W C McIntosh.

215. SCOTTISH MARINE BIOLOGICAL ASSOCIATION, DUNSTAFFNAGE MARINE RESEARCH LABORATORY
PO Box 3, Oban, Argyll PA34 4AD
T. (0631) 62244 Tx. 776216 marlab g

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1883
Area: Scottish waters
Detail: Db,c,d,e; Ma,b,c,d. Papers relating to the foundation and work of the Scottish Marine Station at Granton, and its work in the Clyde, 1880s and 1890s. Archives of the Marine Biological Station at Millport, from 1896. Papers of the Bute Marine Biological Committee. Diaries of J T Cunningham (1883-1887).

216. SCOTTISH RECORD OFFICE
West Register House, Charlotte Square, Edinburgh EH2 4DF
T. (031) 556-6585 x287 Tx. -

Access: Open ***Services:*** C(part), M, X
Holdings: Documents
Timespan: From 1809
Area: Scottish waters, North Atlantic, North Sea
Detail: Mb. Papers of the Fishery Board for Scotland. Source List No. 9 covers documents on naval and maritime affairs.

217. STROMNESS MUSEUM
52 Alfred Street, Stromness, Orkney
T. (0856) 850025 Tx. -

Access: Restricted ***Services:*** None
Holdings: Samples
Timespan: From 1900
Area: Orkney coastal waters
Detail: Robert Rendell's collection of Orkney shells and seaweeds.

218. UNIVERSITY OF ST ANDREWS, BELL-PETTIGREW MUSEUM (DEPT. OF BIOLOGY AND PRECLINICAL MEDICINE)
The University, St Andrews, Fife KY16 9TS
T. (0334) 76161 Tx. -

Access: Restricted ***Services:*** None
Holdings: Samples
Timespan: From c1820
Area: Unrestricted
Detail: Sc. Biological specimens including collections made by W C McIntosh and Sir D'Arcy W Thompson.

219. UNIVERSITY OF ST ANDREWS (LIBRARY)
North Street, St Andrews, Fife KY16 9TR
T. (0334) 76161 Tx. -

Access: Restricted ***Services:*** C(part), P, M, X
Holdings: Documents
Timespan: 1880-1948

Area: North Sea and British coastal waters
Detail: Ma,b. Papers of William Carmichael McIntosh and Sir D'Arcy Wentworth Thompson. Published catalogue available includes material on the Fishery Board for Scotland and the International Council for the Exploration of the Sea.

220. UNIVERSITY OF EDINBURGH (UNIVERSITY LIBRARY)

George Square, Edinburgh EH8 9LJ
T. (031) 667-1011 Tx. 727442 unived g

Access: Open ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1850
Area: Unrestricted
Detail: Da,d,e; Ma,b,c,d. Letters of Alexander Agassiz to Sir C Wyville Thomson and Sir John Murray. Papers relating to the voyage of HMS 'Challenger' (1872-76) and the Scottish Marine Station (1883-1901). Press cuttings of the Scottish National Antarctic Expedition (1902-04). Correspondence of Sir Charles Lyell and Sir Archibald Geikie including discussion of sea level changes. A few tape recordings of interviews with marine scientists.

221. UNIVERSITY MARINE BIOLOGICAL STATION

Millport, Isle of Cumbrae, KA28 0EG
T. (0475) 530581 Tx. -

Access: Open ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1880
Area: Clyde Sea area, Atlantic Ocean
Detail: Am; Sc; Db,c,d,e; Ma,d. Papers of Sheina Marshall, including Great Barrier Reef Expedition. David Robertson collections of Scottish West Coast marine fauna. Station archives.

UNITED STATES OF AMERICA

222. AMERICAN MUSEUM OF NATURAL HISTORY (LIBRARY AND ARCHIVES)

Central Park West at 79th Street, New York NY 10024-5192
T. (212) 769-5419 Tx. -

Access: Restricted ***Services:*** P, X
Holdings: Documents
Timespan: From 1943
Area: Atlantic Ocean
Detail: M. Foundation, c1947, and records of Lerner Marine Laboratory, Bimini Island.

223. CALVERT MARINE MUSEUM

PO Box 97, Solomons, MD 20688
T. (301) 326-2042 Tx. -

Access: Open ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: From 1930
Area: Chesapeake Bay
Detail: Ab,c,d; Sc; Db; Md. History of Chesapeake Biological Laboratory, Solomons; diving equipment. Patuxent River and Chesapeake Bay fisheries and seafood processing.

224. CARNEGIE INSTITUTION OF WASHINGTON (DEPARTMENT OF TERRESTRIAL MAGNETISM)

5241 Broad Branch Road NW, Washington DC 20015
T. (202) 966-0863 Tx. 44027

Access: No information ***Services:*** No information
Holdings: Documents
Timespan: From 1902
Area: No information
Detail: Department's early oceanographical work and voyages of SY 'Carnegie', but unsorted.

225. DARTMOUTH COLLEGE LIBRARY (SPECIAL COLLECTIONS)

Hanover, NH 03755
T. (603) 646-2037 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: 1850-1940
Area: Polar regions above 60°N and S latitudes
Detail: Db,c,d; Ma,b,c. Vilhjalmur Stefansson (1879-1962); Lady Franklin Bay Expedition (1881-4); Stefansson-Anderson Expedition (1908-12); Canadian Arctic Expedition (1913-18).

226. HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY (LIBRARY)

26 Oxford Street, Cambridge MA 02138
T. (617) 495-2475 Tx. -

Access: Restricted ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1865
Area: Unrestricted
Detail: Dc,d,e; Ma,c,d. Louis and Alexander Agassiz. Thayer Expedition to Brazil; 'Albatross' East Pacific Expedition; Maldives Expedition; 'Blake' Expedition; 'Hassler' Expedition. No easy finding aid for original expedition material.

227. KAHL SCIENTIFIC INSTRUMENT COMPANY

PO Box 1166, El Cajon, CA 92022-1166
T. (619) 444-2158 Tx. 697906

Access: No information ***Services:*** No information
Holdings: Apparatus, Documents
Timespan: No information
Area: No information
Detail: Ab,c; M

228. KITTERY HISTORICAL AND NAVAL MUSEUM
PO Box 453, Kittery ME 03904
T. (207) 439-3080 Tx. -
Access: Restricted ***Services:*** None
Holdings: Apparatus, Documents
Timespan: From 17th century
Area: Atlantic, Northern New England, New Hampshire and Maine coastal waters
Detail: Aj,k; Ta,b; Db,c,d,e; Ma,b,c. Information and dives on local shipwrecks; log-books.

229. LIBRARY OF CONGRESS (MANUSCRIPT COLLECTION)
Washington DC 20540
T. (202) 287-5387 Tx. -
Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: No information
Area: No information
Detail: A D Bache (1806-67); Silas Bent (1820-87); G E Belknap (1832-1903); Benjamin Franklin (1706-90); M F Maury (1806-73); J Murray (1841-1914); H Wexler (1911-62); A T Waterman (1892-1967); C Wilkes (1798-1877); H C Gatty (1903-57); US Naval Observatory (1830-1900).

230. NATIONAL OCEAN SERVICE (NOAA)
Office of Oceanography and Marine Assessment N/OMA 1, Room 315, WSC1, 6001 Executive Boulevard, Rockville MD 20852
T. (301) 443-8938 Tx. -
Access: Open ***Services:*** None
Holdings: Apparatus, Documents
Timespan: From 1807
Area: USA coastal waters
Detail: Aa,c,d,f,i,n,o,q; Ta,c; D; Ma,b. US Coast and Geodetic Survey relics. Tide predicting machine 1895 design.

231. NAVAL HISTORICAL CENTRE (OPERATIONAL ARCHIVES BRANCH)
Washington Navy Yard, Building 57, Washington DC 20374
T. (202) 433-3170 Tx. -
Access: Restricted ***Services:*** C(free), P, M, X
Holdings: Documents
Timespan: From 1941
Area: Unrestricted
Detail: Ta,b; Dc; Ma,b,c,d.

232. NAVAL HISTORICAL CENTER (PHOTOGRAPHIC SECTION)
Washington Navy Yard, Washington DC 20374-0571
T. (202) 433-2765 Tx. -
Access: Open ***Services:*** X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: M. Photographic coverage of persons, expeditions and ships, about 230 000 indexed images.

233. THE NAVY MUSEUM
Navy Yard, Building 76, Washington DC 20374-0571
T. (202) 433-4882 Tx. -
Access: Open ***Services:*** None
Holdings: Apparatus, Documents
Timespan: From 1806
Area: Unrestricted
Detail: Ac,d,o,p; Tb; Dc,e; Ma. M F Maury; undersea exploration; full-scale model of 'Alvin'; original 'Trieste'.

234. PRINCETON UNIVERSITY (LIBRARY)
1 Washington Road, PO Box 190, Princeton NJ 08544
T. (609) 452-3184 Tx. -
Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Ma. Harry Hess; Edward Grant Conklin (1863--1952); Philip Wylie (1902-71).

235. SAN FRANCISCO MARITIME NATIONAL HISTORICAL PARK
Fort Mason, Building 201, San Francisco CA 94123
T. (415) 556-3002 Tx. -
Access: No information ***Services:*** P, X
Holdings: Apparatus, Documents
Timespan: 1879-1920
Area: Pacific Ocean
Detail: Aa,c; Mb. Louis Weule Co. records (HDC-1).

236. SMITHSONIAN INSTITUTION, NATIONAL MUSEUM OF AMERICAN HISTORY (DIVISION OF PHYSICAL SCIENCES)
NMAH 5717, Smithsonian Institution, Washington DC 20560
T. (202) 357-2482 Tx. -
Access: Open ***Services:*** P, X
Holdings: Apparatus
Timespan: From 1837
Area: Unrestricted
Detail: Aa,b,c,d,g,i,l. C S Piggot's ocean bottom core sampler, c 1835, from Carnegie Institution, Washington. Ferrel's Tide Predictor, c1882.

237. **SMITHSONIAN INSTITUTION, NATIONAL MUSEUM OF NATURAL HISTORY**
NMNH Smithsonian Institution, Washington DC 20560
T. No information Tx. -
Access: Restricted ***Services:*** None
Holdings: Samples, Documents
Timespan: From 1838
Area: Unrestricted
Detail Sb,c; Db,c,d,e; Ma,b,c,d. Collections and station records of Fishery Steamer 'Albatross' and Government Vessels 'Oregon', 'Fish Hawk', Silver Bay', 'Anton Bruun'.

238. **SMITHSONIAN INSTITUTION, OCEANOGRAPHIC SORTING CENTER (PLANKTON CENTER)**
NMNH Smithsonian Institution, Washington DC 20560
T. (301) 238-3797 Tx. -
Access: Restricted ***Services:*** No information
Holdings: Samples
Timespan: From late 19th century
Area: Gulf of Alaska, North Atlantic, North Pacific
Detail: Sa. International Halibut Commission, Gulf of Alaska Survey (1929-40). US Fish Commission 'Grampus' and 'Fish Hawk' cruises in Western North Atlantic, late 19th to early 20th century; 'Albatross' cruises in North Atlantic and North Pacific, late 19th to early 20th century.

239. **STANFORD UNIVERSITY (DEPARTMENT OF SPECIAL COLLECTIONS AND UNIVERSITY ARCHIVES)**
Cecil H Green Library, Stanford University, CA94305
T. (415) 723-4054 Tx. -
Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1873
Area: No information
Detail: M. David Starr Jordan (1851-1931); Edward F Ricketts (1897-1948); Stillman Berry (1887-1984); Cornelius van Niel; Oliver P Jenkens (1850-1935). Hopkins Marine Station. Oral history records.

240. **TEXAS A & M UNIVERSITY (UNIVERSITY ARCHIVES)**
Evans Library, College Station, TX 77843-5000
T. (409) 845-1815 Tx. -
Access: Open ***Services:*** C, X
Holdings: Documents
Timespan: From 1940
Area: Unrestricted
Detail: M. 55 oral history records.

241. **UNITED STATES MERCHANT MARINE ACADEMY (LIBRARY)**
Steamboat Road, Kings Point, NY 11024-1699
T. (516) 773-5503 Tx. -
Access: Restricted ***Services:*** None
Holdings: Documents
Timespan: From 1900
Area: No information
Detail: Dc; Md. Ships' logs.

242. **UNITED STATES NAVAL ACADEMY (MUSEUM)**
Annapolis, MD 21402-5034
T. (301) 267-2108 Tx. -
Access: No information ***Services:*** P, X
Holdings: Documents
Timespan: No information
Area: No information
Detail: M. No other information.

243. **UNITED STATES NAVAL LIBRARY (THE NIMITZ LIBRARY, SPECIAL COLLECTIONS)**
Annapolis, MD 21402-5029
T. (301) 267-2220 Tx. -
Access: Open ***Services:*** P, X
Holdings: Documents
Timespan: 1759-1940s
Area: Unrestricted
Detail: Dc; M. Matthew C Perry's "Thermometrical Journal" in USS 'Cyane' (1820). Over 100 19th century ships' logs.

244. **UNIVERSITY OF CALIFORNIA (BODEGA MARINE LABORATORY)**
PO Box 247, Bodega Bay CA 94923
T. (707) 875-2015 Tx. -
Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From late 1920s
Area: Central Californian coast
Detail: Db,d,e; M. 31 volumes of student reports with original photographs, data and drawings, from research studies.

245. **UNIVERSITY OF CALIFORNIA, SAN DIEGO, SCRIPPS INSTITUTION OF OCEANOGRAPHY (ARCHIVES)**
Mail Code C-0756, La Jolla CA 92093-0175
T. (619) 534-4878
Tx. 9103371271 ucwwd sio sdg
Access: Restricted ***Services:*** C(free), P, X
Holdings: Samples, Documents
Timespan: From 1850
Area: Unrestricted

Detail: Ta; Sb,c; Da,b,c,e; Ma,c,d. William E Ritter (1856-1944); Thomas Wayland Vaughan (1870-1952); Roger Revelle (1909--); John Isaacs (1913-80); H William Menard (1920-1986). Joseph Matkin letters documenting voyage of HMS 'Challenger' (1872-76). Oral history records.

246. UNIVERSITY OF SOUTHERN CALIFORNIA (HANCOCK LIBRARY OF BIOLOGY AND OCEANOGRAPHY)

Los Angeles CA 90089-0372
T. (213) 743-6005 Tx. -

Access: Restricted ***Services:*** X
Holdings: Documents
Timespan: From 1940
Area: Pacific rim
Detail: D. 'Velero IV' Expeditions.

247. UNIVERSITY OF TEXAS AT AUSTIN (HARRY RANSOM RESEARCH CENTER)

PO Box 7219, Austin TX 78713-7219
T. (512) 471-9119 Tx. -

Access: No information ***Services:*** C, P, M, X
Holdings: Documents
Timespan: From 1820
Area: No information
Detail: Db,c,e; Mc. Maurice Ewing (1926-73). 'Vema' and 'Conrad' cruises. Prehistory of Woods Hole and L-DGO. Royal Meteorological Society of London archive, includes John Murray (1841-1914) letters.

248. WOODS HOLE OCEANOGRAPHIC INSTITUTION (DATA LIBRARY)

McLean Laboratory, Quissett Campus,
Woods Hole MA 02543-1098
T. (508) 548-1400 x2471
Tx. 191679 oceaninst wooh

Access: Restricted ***Services:*** P, M, (for data only) X
Holdings: Apparatus, Samples, Documents
Timespan: From 1897
Area: No information
Detail: Aa,b,c,d,e,f,g,h,i,j,l,m,n,q; Ta,b,c; Sa,b,c,d; Da,b,c,d,e; Ma,c,d. All WHOI cruises, flights and submarine dives including data reports from 1930. 'Alvin' archive, over 1 000 000 underwater photographs and related scientific work from over 2000 dives. World bottom photograph collection, over 4 000 000 negatives. New England climatological data from 1896.

YUGOSLAVIA

249. INSTITUTE OF OCEANOGRAPHY AND FISHERIES

PO Box 114, Moše Pijade 63, 58001 Split
T. (058) 46-688 Tx. -

Access: No information ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1920
Area: Adriatic Sea
Detail: Ac,d,e,f,h,i,j,l,m,n; Ta; Sa; D; Mc,d

250. POMORSKI MUSEJ 'SERGEJ MAŠERA'

Cankarjevo Nabrežje 3, Piran, 66330 SR Slovenija
T. (0038) 66-73768 Tx. -

Access: Open ***Services:*** C, P
Holdings: Documents
Timespan: No information
Area: Unrestricted
Detail: Dc; Mb,c,d.

251. RUĐER BOŠKOVIĆ INSTITUTE, CENTRE FOR MARINE RESEARCH

Ul Giordano Paliaga 5, 52210 Rovinj
T. (052) 811-544 Tx. -

Access: Restricted ***Services:*** X
Holdings: Apparatus, Samples, Documents
Timespan: From 1900
Area: Adriatic Sea
Detail: Ab,l,m; Sc; Dd; Ma. Herbarium Zaratin "Flora Marina Adriatica".

ADDENDUM

The following entries were received too late for inclusion in the main text.

ALGERIA

A. INSTITUTE DES SCIENCES DE LA MER ET DE L'AMENAGEMENT DU LITTORAL
BP 90, 1er Novembre, Alger
T. (02) 64-85-66 Tx. 67523 ismal dz

Access: Open ***Services:*** P, X
Holdings: Apparatus, Samples, Documents
Timespan: 19th century
Area: Unrestricted
Detail: Aa,b,c,d,h,i,l,m,s: Sa,c; Ma,b,c,d. Inst. Maritime de Bou-Ismail; Prof. Bernard.

BRAZIL

B. SERVIÇO DE DOCUMENTAÇÃO GERAL DA MARINHA (DEP. DE MUSEU NAVAL, ARQUIVO E BIBLIOTECA)
Praça Barão de Ladario s/n, Ilha das Cobras, 20091 Rio de Janeiro
T. (021) 233-9165 Tx. -

Access: Restricted ***Services:*** C, P, M, X
Timespan: 19th and 20th centuries
Area: Atlantic Ocean, Antarctic
Detail: Aa,c,d,j; Ta; Da,b,c,d,e; Ma,b,c,d. Material from Brazilian research institutes. Oceanographic ship 'Almirante Saldanha'.

C. SERVIÇO DE DOCUMENTAÇÃO GERAL DA MARINHA
Rua D. Manuel 15, Centro, 20010 Rio de Janeiro
T. (021) 221-7626 Tx. -

Access: Restricted ***Services:*** C, P, X
Holdings: Apparatus, Documents
Timespan: 19th and 20th centuries
Area: Unrestricted
Detail: Aa,b,c,n; Dd,e; Ma,b,d. Material from the Brazilian Hydrographic Service.

ITALY

D. ISTITUTO IDROGRAFICO DELLA MARINA
Passo Osservatorio 4, 16134 Genova
T. (010) 265451 Tx. 270435 maridr i

Access: Restricted **Services:** No information
Holdings: Apparatus, Documents
Timespan: From 1872
Area: No information
Detail: Aa,b,c,d,g,m,o,p; M. Original apparatus designed by Admiral Magnaghi.

UNITED STATES OF AMERICA

E. LIBRARY OF CONGRESS (GEOGRAPHY AND MAP DIVISION)
Washington DC 20540
T. (202) 707-6277 Tx. -

Access: Open ***Services:*** P, M, X
Holdings: Documents
Timespan: From 1600
Area: Unrestricted
Detail: M. Nautical charts, sea atlases, coasting pilots, portolan charts.

EGYPT

F. NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES (NIOF)
Mediterranean Branch, Kayet Bay, Alexandria
T. (03) 801553 Tx. 93069 asrt-un

Access: Open ***Services***: C, X
Holdings: Documents, Samples, Apparatus
Timespan: 19th and 20th centuries
Area: Unrestricted, with special emphasis on Mediterranean and Red Sea
Detail: Apparatus from John Murray/Mabahiss Expedition 1933/34 and history of the Institution.

G. NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES (NIOF)
Ghardaqa Research Station, Ghardaqa (Hurghada), Red Sea
T. (062) 440414 Tx. 93069 asrt-un

Access: Open ***Services***: C, X
Holdings: Documents, Samples, Apparatus
Timespan: 19th and 20th centuries
Area: Unrestricted, with special emphasis on Red Sea, Gulf of Aden and Indian Ocean
Detail: Collections of fish and corals from the Red Sea, history of the Institution and John Murray/Mabahiss Expedition 1933/34

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UNESCO TECHNICAL PAPERS IN MARINE SCIENCE

Titles of numbers which are out of stock

No.		Year	SCOR WG
1	Incorporated with Nos. 4, 8 and 14 in No. 27	1965	WG 10
2	Report of the first meeting of the joint group of experts on photosynthetic radiant energy held at Moscow, 5-9 October 1964. Sponsored by Unesco, SCOR and IAPO	1965	WG 15
3	Report on the intercalibration measurements in Copenhagen, 9-13 June 1965. Organized by ICES	1966	—
4	Incorporated with Nos. 1,8 and 14 in No. 27	1966	WG 10
5	Report of the second meeting of the joint group of experts on photosynthetic radiant energy held at Kauizawa, 15-19 August 1966. Sponsored by Unesco, SCOR, IAPO	1966	WG 15
6	Report of a meeting of the joint group of experts on radiocarbon estimation of primary production held at Copenhagen, 24-26 October 1966. Sponsored by Unesco, SCOR, ICES	1967	WG 20
7	Report of the second meeting of the Committee for the Check-List of the Fishes of the North Eastern Atlantic and on the Mediterranean, London, 20-22 April 1967	1968	—
8	Incorporated with Nos. 1, 4 and 14 in No. 27	1968	WG 10
9	Report on intercalibration measurements, Leningrad, 24-28 May 1966 and Copenhagen, September 1966; organized by ICES	1969	—
10	Guide to the Indian Ocean Biological Centre (IOBC), Cochin (India), by the Unesco Curator 1967-1969 (Dr. J. Tranter)	1969	—
11	An intercomparison of some current meters, report on an experiment at WHOI Mooring Site "D", 16-24 July 1967 by the Working Group on Continuous Current Velocity Measurements. Sponsored by SCOR, LIAPSO and Unesco	1969	WG 21
12	Check-List of the Fishes of the North-Eastern Atlantic and of the Mediterranean (report of the third meeting of the Committee, Hamburg, April 1969)	1969	—
13	Technical report of sea trials conducted by the working group on photosynthetic radiant energy, Gulf of California, May 1968; sponsored by SCOR, IAPSO, Unesco	1969	WG 15
14	Incorporated with Nos. 1, 4 and 8 in No. 27	1970	WG 10
15	Monitoring life in the ocean, sponsored by SCOR, ACMRR, Unesco, IBP/PM	1973	WG 29
16	Sixth report of the joint panel on oceanographic tables and standards, Kiel, 24-26 January 1973; sponsored by Unesco, ICES, SCOR, IAPSO	1974	WG 10
17	An intercomparison of some current meters, report on an experiment of Research Vessel Akademic Kurchatov, March-April 1970, by the Working Group on Current Velocity Measurements; sponsored by SCOR, IAPSO, Unesco	1974	WG 21
18	A review of methods used for quantitative phytoplankton studies; sponsored by SCOR, Unesco	1974	WG 33
20	Ichthyoplankton. Report of the CICAR Ichthyoplankton Workshop-*Also published in Spanish*	1975	—
21	An intercomparison of open sea tidal pressure sensors. Report of SCOR Working Group 27: "Tides of the open sea"	1975	WG 27
22	European sub-regional co-operation in oceanography. Report of Working Group sponsored by the Unesco Scientific Co-operation Bureau for Europe and the Division of Marine Sciences	1975	—
23	An intercomparison of some currents meters, III. Report on an experiment carried out from the Research Vessel Atlantis II, August-September 1972, by the Working Group on Continuous Velocity Measurements; sponsored by SCOR, IAPSO and Unesco	1975	WG 21
24	Seventh report of the joint panel on oceanographic tables and standards, Grenoble, 2-5 September 1975; sponsored by Unesco, ICES, SCOR, IAPSO	1976	WG 10
27	Collected reports of the joint panel on oceanographic tables and standards, 1964-1969	1976	WG 10
28	Eighth report of the joint panel on oceanographic tables and standards, Woods Hole, U.S.A., sponsored by Unesco, ICES, SCOR, IAPSO	1978	WG 10
29	Committee for the preparation of CLOFETA-Report of the first meeting, Paris, 16-18 January 1978	1979	—
30	Ninth report of the joint panel on oceanographic tables and standards, Unesco, Paris, 11-13 September 1978	1979	—
32	Coastal lagoon research, present and future. Report and guidelines of a seminar, Duke University Marine Laboratory, Beaufort, NC, U.S.A. August 1978 (Unesco, IABO).	1981	—